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# Maps 1 1988

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# Verslag T<sub>E</sub>X

Opening en Mededelingen; Introductie deelnemers; Brainstorming T<sub>E</sub>X aandachtsgebieden; Instellen werkgroepen voor de aandachtsgebieden; Formele zaken; Rondvraag; Sluiting.

[report ▶](#)  
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Information on T<sub>E</sub>X mailing lists.

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Besluitenlijst

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VAX DOCUMENT

Boeken over T<sub>E</sub>X

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# Verslag (1989/1)

Opening; Agenda bijeenkomst 23 juni 1988; Ingekomen stukken en Mededelingen; Ledenbestand status en contributie; Vragen gebruikers; Verslag/discussie werkgroepen; Rondvraag; Presentaties; Sluiting.

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# VAX DOCUMENT

VAX DOCUMENT is een commerciële toepassing die op T<sub>E</sub>X gebaseerd is. Aanvankelijk binnen Digital Equipment Co. ontwikkeld voor intern gebruik voor productie van alle VAX/VMS documentatie en s/w produkten, maar nu ook in gebruikerslicensie voor VAX/VMS gebruikers verkrijgbaar. Vanaf VMS V4 is het resultaat hiervan te zien.

Theo de Klerk ▶

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# Boeken over T<sub>E</sub>X

Bespreking 'Einführung in T<sub>E</sub>X' (Norbert Schwartz); 'T<sub>E</sub>X für Fortgeschrittene' (Wolfgang Appelt); 'L<sup>A</sup>T<sub>E</sub>X eine Einführung' (Helmut Kopka); 'Kompaktführer L<sup>A</sup>T<sub>E</sub>X' (Reinhard Wonneberger)

[book review](#) ▶

◀ [Theo de Klerk](#)

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High Quality Printing of T<sub>E</sub>X-DVI

A dBase III+ programme to generate a journal

T<sub>E</sub>X en SGML

Ervaringen met fotozetters

Verslag GUTenberg (16/17 mei 1989)

One year NTG; presentatie NTG in Utrecht en Karlsruhe

Verslag Nederlandse T<sub>E</sub>X dagen (29/30 juni 1989)

Verslag Stanford conferentie (20/23 aug 1989)

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Werkgroepen Nederlandstalige T<sub>E</sub>X gebruikersgroep

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Ervaringen met fotozetters

Verslag GUTenberg (16/17 mei 1989)

One year NTG; presentatie NTG in Utrecht en Karlsruhe

Verslag Nederlandse T<sub>E</sub>X dagen (29/30 juni 1989)

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# Verslag (1989/2)

Opening; Verslag bijeenkomst 24 november 1988; Ingekomen stukken en Mededelingen; Verenigingszaken; Verslag/discussie werkgroepen; Vragen gebruikers; Rondvraag; Presentatie Océ 6750 (T<sub>E</sub>X)-laserprinter; Sluiting.

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# Ontvangen local guides en andere T<sub>E</sub>X documenten

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# NTG fileserver faciliteiten

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# Vragen van gebruikers

Deze bijlage bevat de `vragen van de gebruikers' die gesteld zijn ten tijde van de NTG vergadering van mei 1989.

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# High Quality Printing of T<sub>E</sub>X-DVI

Deze bijlage bevat de presentatie van Océ, gehouden op de NTG bijeenkomst van 11 mei 1989.

high quality printing ▶  
Océ ▶  
laser printers ▶  
Digital Equipment ▶

Marius Broeren ▶  
Jan van Knippenberg ▶

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# A dBase III+ programme to generate a journal

This is a note about the implementation of a combination of dBase III+ and T<sub>E</sub>X.

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[Piet Roes ▶](#)

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# **T<sub>E</sub>X en SGML**

The markup of document elements via SGML is demonstrated with a few examples.

**math** ▶  
**SGML** ▶  
**tables** ▶

**Kees van der Laan** ▶

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## Ervaringen met fotozetters

Sinds enige tijd bestaat de mogelijkheid om bij A.J. Scholten — Transcripta fotozetsel van T<sub>E</sub>X/dvi-files te laten maken. Het grote voordeel van Transcripta is dat er uitsluitend met T<sub>E</sub>X gewerkt wordt en derhalve zeer veel deskundigheid bij het bedrijf in huis is. Men beschikt over een Linotronic 100, die een resolutie levert van 1270 dpi.

[fotozetters ▶](#)  
[Linotronic ▶](#)  
[PostScript ▶](#)

[Geerd Haayer ▶](#)

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# Verslag GUTenberg (16/17 mei 1989)

Thema: Grafische zaken en (La)T<sub>E</sub>X, met name picture omgeving en PostScript.

GUTenberg ▶

◀ report ▶

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# One year NTG; presentatie NTG in Utrecht en Karlsruhe

A history of the start of the NTG is given along with a survey of this first years' activities. The relation of NTG to other TUGs is also dealt with.

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[NTG ▶](#)  
[EuroT<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

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# Verslag Nederlandse T<sub>E</sub>X dagen (29/30 juni 1989)

The Dutch T<sub>E</sub>X Users Group, in Dutch 'Nederlandse T<sub>E</sub>X Gebruikersgroep' or NTG, was started about one year ago in Groningen. At the meeting in the autumn of 1988 it was decided to have a first presentation to 'the outside world' in the summer of 1989.

◀ NTG ▶  
meeting ▶

Victor Eijkhout ▶  
Nico Poppelier ▶

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# Verslag Stanford conferentie (20/23 aug 1989)

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[T<sub>E</sub>X3 ▶](#)

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# Verslag (1989/2)

Opening; Verslag bijeenkomst 24 november 1988; Ingekomen stukken en Mededelingen; Verenigingszaken; Verslag/discussie werkgroepen; Vragen gebruikers; Rondvraag; Presentatie Océ 6750 (T<sub>E</sub>X)-laserprinter; Sluiting.

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# Werkgroepen Nederlandstalige T<sub>E</sub>X gebruikersgroep

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◀ working group ▶

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# Ontvangen local guides en andere T<sub>E</sub>X documenten

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# NTG fileserver faciliteiten

Overzicht inhoud NTG fileserver.

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# Vragen van gebruikers

Deze bijlage bevat de `vragen van de gebruikers' die gesteld zijn ten tijde van de NTG vergadering van mei 1989.

◀ user questions

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# High Quality Printing of T<sub>E</sub>X-DVI

Deze bijlage bevat de presentatie van Océ, gehouden op de NTG bijeenkomst van 11 mei 1989.

◀ high quality printing  
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◀ Jan van Knippenberg

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# A dBase III+ programme to generate a journal

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The markup of document elements via SGML is demonstrated with a few examples.

◀ **math** ▶

◀ **SGML** ▶

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◀ **Kees van der Laan** ▶

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◀ fotozetters  
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# Verslag GUTenberg (16/17 mei 1989)

Thema: Grafische zaken en (La)T<sub>E</sub>X, met name picture omgeving en PostScript.

◀ GUTenberg ▶  
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# One year NTG; presentatie NTG in Utrecht en Karlsruhe

A history of the start of the NTG is given along with a survey of this first years' activities. The relation of NTG to other TUGs is also dealt with.

◀ [activities](#) ▶

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# Verslag Nederlandse T<sub>E</sub>X dagen (29/30 juni 1989)

The Dutch T<sub>E</sub>X Users Group, in Dutch `Nederlandse T<sub>E</sub>X Gebruikersgroep' or NTG, was started about one year ago in Groningen. At the meeting in the autumn of 1988 it was decided to have a first presentation to `the outside world' in the summer of 1989.

◀ NTG ▶  
◀ meeting ▶

◀ Victor Eijkhout ▶  
◀ Nico Poppelier ▶

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# Verslag Stanford conferentie (20/23 aug 1989)

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NTG DOS-diskette Distributie Service

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Announcement SGML & T<sub>E</sub>X Conference

Courses SGML & T<sub>E</sub>X Conference

T<sub>E</sub>X-NL discussies

Working group 1: Education; State of affairs

Werkgroep 7: PC-zaken

Werkgroep 10: SGML-T<sub>E</sub>X

Werkgroep 13: `Neerlandica`

Werkgroep 14: Communicatie

The Development of National L<sup>A</sup>T<sub>E</sub>X styles

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# Verslag (1990/1)

Opening; Verslag bijeenkomst 11 mei 1989; Ingekomen stukken en Mededelingen; Verslag/discussie werkgroepen; Verenigingszaken; Rondvraag; Sluiting.

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# Werkgroepen Nederlandstalige T<sub>E</sub>X Gebruikersgroep

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# Ontvangen local guides en andere T<sub>E</sub>X documenten

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# **T<sub>E</sub>X-NL subscription**

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◀ TEX-NL ▶

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# NTG fileserver faciliteiten

Overzicht inhoud NTG fileserver.

◀ fileserver ▶

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# Vragen van gebruikers

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# NTG DOS-diskette Distributie Service

*geen samenvatting (no abstract)*

DOS  
disks ▶  
distribution ▶

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# Announcement T<sub>E</sub>X90 Conference

The 1990 T<sub>E</sub>X meeting in Europe is the fifth such conference organised since 1985. It also breaks new ground as the first to be a T<sub>E</sub>X Users Group (TUG) meeting outside North America. The T<sub>E</sub>X computer typesetting program is now widely established as the de facto standard in scientific, educational and commercial use for the setting of documents requiring very high standards of typographic control, particularly technical documents, and for applications where high quality, portability and device-independence are of importance.

# Announcement SGML & T<sub>E</sub>X Conference

Announcement of joint SGML User Group Holland and NTG meeting. Several courses are offered. Two parallel streams of lectures, one mainly devoted to SGML and the other to T<sub>E</sub>X.

◀ SGML ▶  
◀ TUG conference ▶  
courses ▶

◀ Kees van der Laan ▶  
Theo Jurriens ▶  
Jan Maasdam  
J. Bleeker ▶

Maps 4 1990

p 33-34  18 kB

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# Courses SGML & T<sub>E</sub>X Conference

*geen samenvatting (no abstract)*

◀ courses ▶  
◀ SGML ▶  
conference ▶

C.G. van der Laan  
T.A. Jurriens  
J. Maasdam  
◀ J. Bleeker ▶

Maps 4 1990

p 35-42  59 kB



# **T<sub>E</sub>X-NL discussies**

Overzicht gebruikers listserver.

◀ listserver ▶

◀ TEX-NL ▶

Maps 4 1990

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# Working group 1: Education; State of affairs

An impression of what has been done by members of the WG, and others, is given. Members: C.G. van der Laan (coord.), T. Biegstraaten, G. Haayer, J.R. Luyten, P. Tutelaers. Known — through december 1989 — courseware and T<sub>E</sub>X-related (Dutch) courses are mentioned in appendices.

◀ working group ▶  
education ▶

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# Werkgroep 7: PC-zaken

Verslag werkgroep 7: PC-zaken.

◀ working group ▶  
PC ▶  
MS-DOS ▶

Maps 4 1990

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## Werkgroep 10: SGML- $\text{T}_{\text{E}}\text{X}$

An impression of what has been done by members of the WG is given. Members: C.G. van der Laan (coord.), T. Biegstraaten, J. Bleeker, D.C. Coleman, J. Grootenhuis. Prospects: Publishing houses strongly believe in the 'marriage' of SGML and  $\text{T}_{\text{E}}\text{X}$ .

◀ working group ▶

◀ SGML ▶

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# Werkgroep 13: `Neerlandica`

Verslag werkgroep 13: `Neerlandica`.

◀ working group ▶  
dutch ▶

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# Werkgroep 14: Communicatie

Verslag werkgroep 14: Communicatie.

Maps 4 1990

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view

# The Development of National L<sup>A</sup>T<sub>E</sub>X styles

In its autumn 1988 meeting, the Dutch T<sub>E</sub>X users group (NTG) established a working group (number 13) that was to concentrate on the problems involved in the use of T<sub>E</sub>X for Dutch texts. Since then the working group, which includes the authors, has created a number of style options for L<sup>A</sup>T<sub>E</sub>X that remedy some common problems with the non-English use of L<sup>A</sup>T<sub>E</sub>X, and is on its way developing document styles that are compatible with the standard styles, but have a layout that is more palatable for Dutch users. In this article we treat implementation aspects of the styles and style options, and we discuss some matters of layout.

# Unusual paragraph shapes

Although the  $\TeX$ book states that  $\TeX$ 's paragraph mechanism `can be harnessed to a surprising variety of tasks', the strangest paragraph shapes that I have implemented use no feature of the line-breaking algorithm. Instead, I have found that the control sequences `\par` and `\parfillskip` are extremely powerful tools. I give three examples of this.



# Ingekomen brief

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Algemeen: Organisatorisch: Producten:

# Teaching T<sub>E</sub>X: Critics & L<sup>A</sup>T<sub>E</sub>X proposal

Some critics — mainly L<sup>A</sup>T<sub>E</sub>X based — on the approach are given: T<sub>E</sub>Xnically driven instead of result driven. Also is notified the omission of a general pedagogical method to be used. Furthermore, it is urged to have unified courseware. A set of L<sup>A</sup>T<sub>E</sub>X courses is proposed. No test set is included. The underlying idea of having TUG certified courses world-wide is strongly endorsed.

◀ education ▶  
courseware  
modules

◀ Kees van der Laan ▶

Maps 4 1990

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# Wat is T<sub>E</sub>X?

In de huidige tijd van WYSIWYG `desktop publishing' systemen lijkt het vreemd een systeem te propageren met honderden, vaak ingewikkelde, instructies. Wat het tekstmaakstelsel T<sub>E</sub>X desondanks aantrekkelijk maakt, is het feit dat het programmeerbaar is: de basisinstructies kunnen worden samengevoegd tot zeer gecompliceerde instructies die een eenmaal ontworpen opmaak geheel automatisch feilloos reproduceren. Hierdoor hoeft de gebruiker uitsluitend nog de structuur van het document aan te geven en niet de vormgeving, het uiterlijk, ervan. Met deze gedachte sluit T<sub>E</sub>X nauw aan bij recente ontwikkelingen in de uitgeverwereld omtrent SGML.

◀ Victor Eijkhout ▶

◀ Nico Poppelier ▶

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Verslag (1990/2)

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NTG fileserver faciliteiten

T<sub>E</sub>X stuff at cs.ruu.nl

NTG Software Distributie Service

NTG DOS-diskette Distributie Service

Werkgroep 7: PC-zaken; T<sub>E</sub>X voor MS/PC-DOS PC's

Werkgroep 8: NTG gebruikersdag; SGML-T<sub>E</sub>X Seminar

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Two faces of T<sub>E</sub>Xt

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Getting T<sub>E</sub>Xnical: Insight into T<sub>E</sub>X Macro Writing Techniques

The Document Style Designer as a Separate Entity

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TUGboat production: T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X, and paste-up

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New books on T<sub>E</sub>X (1)  
An indentation scheme  
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# Verslag (1990/2)

Opening; Verslag bijeenkomst 23 november 1989; Ingekomen stukken en Mededelingen; Verslag/discussie werkgroepen; Verenigingszaken; Rondvraag; NTG presentaties; Sluiting;

[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Gerard van Nes ▶](#)

Maps 5 1990

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# **T<sub>E</sub>X kalender**

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# Werkgroepen NTG

Verslag werkgroepen.

◀ working group ▶

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# Ontvangen Local Guides en andere T<sub>E</sub>X documenten

Overzicht ontvangen local guides.

◀ local guide ▶

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# **T<sub>E</sub>X-NL subscription**

Overzicht gebruikers listserver.

◀ listserver ▶

◀ TEX-NL ▶

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# NTG fileserver faciliteiten

Overzicht inhoud NTG fileserver.

◀ fileserver ▶

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# **T<sub>E</sub>X stuff at cs.ruu.nl**

Here is a brief description of our archive of T<sub>E</sub>X stuff. The archive is available by FTP and by mail server. It contains various things, a.o. Atari ST software, GNU software, some Unix software and a lot of T<sub>E</sub>X things. I will concentrate on the T<sub>E</sub>X stuff in this message.

[FTP ▶](#)  
[archives ▶](#)  
[mailserver](#)  
[software ▶](#)

[Piet van Oostrum ▶](#)

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# NTG Software Distributie Service

Deze bijlage beschrijft een aantal distributie-services die door enkele NTG leden worden uitgevoerd.

◀ NTG ▶  
◀ distribution ▶  
◀ software ▶

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# NTG DOS-diskette Distributie Service

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◀ MS-DOS ▶  
◀ disks ▶  
◀ distribution ▶

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# Werkgroep 7: PC-zaken; T<sub>E</sub>X voor MS/PC-DOS PC's

Activiteiten van werkgroep 7: PC-zaken.

◀ working group ▶

◀ PC ▶

◀ MS-DOS ▶

Atari ▶

Jos Winnink ▶

Maps 5 1990

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# Werkgroep 8: NTG gebruikersdag; SGML-TeX Seminar

Terugblik op organisatie.

◀ working group ▶  
◀ SGML ▶  
seminar

◀ Kees van der Laan ▶

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# Working group 13: `Neerlandica`

Verslag werkgroep 13: `Neerlandica`.

Neerlandica ▶

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# SGML- $\text{T}_{\text{E}}\text{X}$ conference, Groningen

For their second full-day international meeting, the Nederlandstalige  $\text{T}_{\text{E}}\text{X}$  Gebruikersgroep (NTG) organised, in conjunction with the Dutch SGML Users Group, a conference intended to focus interest on the use of  $\text{T}_{\text{E}}\text{X}$  and SGMLtogether. On August 31st, approximately 100 delegates from both `camps' attended the day's events in Groningen, with what seemed a good balance between SGML-ers and  $\text{T}_{\text{E}}\text{X}$ ies.

◀ SGML ▶  
◀ conference ▶

David Osborne

Maps 5 1990

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# Two faces of T<sub>E</sub>Xt

T<sub>E</sub>X as a programming tool for advanced document retrieval systems.

- databases ▶
- document retrieval
- searching ▶
- logical structure

Joop van Gent ▶

Maps 5 1990

p 43-48  75 kB

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## Towards L<sup>A</sup>T<sub>E</sub>X 3.0

L<sup>A</sup>T<sub>E</sub>X is a very valuable tool for document composition. As a T<sub>E</sub>X macro package, it is unique in its concept of logical commands, at the same time retaining enough flexibility with visually oriented commands to allow the user a relatively easy correction of an automatically chosen layout. This fact makes it far superior to the plain and AMS-T<sub>E</sub>X macro packages when it comes to professional applications. Therefore the L<sup>A</sup>T<sub>E</sub>X re-implementation project is certainly one of the most important efforts to `expand T<sub>E</sub>X's horizon'. This is the place to link T<sub>E</sub>X with the modern developments like SGML. This paper describes the current status of the re-implementation of L<sup>A</sup>T<sub>E</sub>X.

Frank Mittelbach ▶  
Rainer Schöpf ▶

Maps 5 1990

p 49-54  86 kB

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# Getting T<sub>E</sub>Xnical: Insight into T<sub>E</sub>X Macro Writing Techniques

Most of us understand the basic form of T<sub>E</sub>X macros but that understanding alone is often inadequate when we need to solve certain problems. We need additional insight to be able to develop methods of passing information, moving text with changed catcodes, preserving blank lines, and more. Writing a large macro package brings in a new set of issues: how to avoid bumping into implementation restrictions, e.g., constraints of hash size, string size, and others; how to make a pleasant user interface; how to make your code as concise as possible. Some of the techniques to be discussed here include making a macro with a variable number of arguments; changing catcodes in macros, defining a macro whose argument is intentionally never used; conserving hash size by using counters instead of newifs; csname techniques and non-outer dynamic allocation; and table making techniques. Finally, some suggestions are included on methods to use when developing new macros.

Amy Hendrickson ►

Maps 5 1990

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# The Document Style Designer as a Separate Entity

An argument for the need for a programmable meta format: a format that introduces a new syntactic level in  $\text{T}_{\text{E}}\text{X}$  for document style designers.

[style design](#) ▶

◀ [Victor Eijkhout](#) ▶  
[Andries Lenstra](#) ▶

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# The Dutch national L<sup>A</sup>T<sub>E</sub>X effort

In this article an overview is given of the activities of working group 13 (WG 13) of the 'Nederlandstalige T<sub>E</sub>X Gebruikersgroep' (Dutch T<sub>E</sub>X Users Group). This working group is also called 'Neerlandica', and is interested in anything that has something to do with using L<sup>A</sup>T<sub>E</sub>X (and T<sub>E</sub>X) in a non-American environment. The topics tackled so far range from the design of a page layout suitable for A4 paper by adapting the American layout of article.sty to Dutch typographical tastes, to the implementation of a new letter style called 'brief'.

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ dutch ▶

◀ Johannes Braams ▶

◀ Victor Eijkhout ▶

◀ Nico Poppelier ▶

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## TUGboat production: T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X, and paste-up

TUGboat has now completed more than ten years of publication. Starting with T<sub>E</sub>X78 and an electrostatic printer and progressing through increasingly versatile software and hardware, the authors have kept us challenged, both with the content that the reader sees and the little tricks that happen `under the covers'. This talk will be a survey of some of the milestones of TUGboat production, our editorial philosophy, what we've learned about what T<sub>E</sub>X can and cannot do, and some advice to authors and production editors of other publications.

Barbara Beeton ►

Maps 5 1990

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# SGML and T<sub>E</sub>X at Elsevier Science Publishers

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[Elsevier ▶](#)  
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Jeroen Soutberg

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# NTG's second year

A survey of NTG's activities in its second year is enumerated.

[◀ activities](#)

[◀ NTG ▶](#)

[◀ EuroT<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

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# Development of DANTE e.V.

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Dante ▶

Joachim Lammarsch

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# Verslag GUTenberg '90

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◀ Kees van der Laan ▶

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# Board-of-Directors and Euro-Summit at Cork90

TUG organizational: descriptions and reporting time schedules; Topical TUGboat issues are under consideration; Euro-Summit:

[◀ EuroTeX ▶](#)  
[board-of-directors ▶](#)  
[◀ Cork ▶](#)

[◀ Kees van der Laan ▶](#)

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# Report European T<sub>E</sub>X conference Cork90

The following was on at this joint TUG90 and EuroT<sub>E</sub>X90 meeting at Cork. Hypertext and T<sub>E</sub>X. Cork encoding scheme for 8 bit fonts. Halftone output from T<sub>E</sub>X. Macro writing in T<sub>E</sub>X, especially Getting T<sub>E</sub>Xnical. The Dutch T<sub>E</sub>X efforts were reported. The issue of a T<sub>E</sub>X archive was raised again. Text around figures in L<sup>A</sup>T<sub>E</sub>X. Document design and style development. Proposals for L<sup>A</sup>T<sub>E</sub>X3.0. SGML and T<sub>E</sub>X for tables and Math. Graphics and T<sub>E</sub>X, such as PiCT<sub>E</sub>X use, tif format and pk files. Old german fonts. BiBT<sub>E</sub>X requirements. Discussion of T<sub>E</sub>X books. The question of T<sub>E</sub>X at schools was raised.

◀ conference ▶

◀ Cork

◀ EuroT<sub>E</sub>X ▶

◀ Nico Poppelier ▶

◀ Kees van der Laan ▶

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# **T<sub>E</sub>X structuurschema's**

Overzicht van de structuur van T<sub>E</sub>X en METAFONT en de bijbehorende bestandstypen.

[filetypes](#)  
[coherence](#)  
[structure ▶](#)

[Huub Mulders ▶](#)

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# The 1990 DECUS T<sub>E</sub>X Collection

The DECUS Languages and Tools SIG Public Domain Working Group and the Electronic Publishing SIG T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X/WEB Working Group are proud to announce the 1990 DECUS T<sub>E</sub>X Collection. This collection offers nearly everything a T<sub>E</sub>X User would want on their system for T<sub>E</sub>X.

Maps 5 1990

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# New books on T<sub>E</sub>X (1)

Review of 'Introduction to T<sub>E</sub>X' (Jost Krieger, Norbert Schwartz), 'T<sub>E</sub>X for the advanced' (Wolfgang Appelt), 'T<sub>E</sub>X for the impatient' (Paul Abrahams).

[◀ book review ▶](#)

[◀ Victor Eijkhout ▶](#)

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## An indentation scheme

Indentation is one of the simpler things in  $\text{T}_{\text{E}}\text{X}$ : if you leave one input line open you get a new paragraph, and it is indented unless you say `\par`. And if you get tired of writing `\par` all of the time, you declare `\par` at the start of your document. Easy. More sophisticated approaches to indentation are possible, however. In this article I will sketch a quite general approach that can easily be incorporated in existing macro packages. For a better appreciation of what goes on, I will start with a tutorial section on what happens when  $\text{T}_{\text{E}}\text{X}$  starts a paragraph.

[indentation paragraph](#) ▶

◀ [Victor Eijkhout](#) ▶

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# A parskip scheme

In this article I will present an approach that unifies the paragraph skip and the white spaces surrounding various environments. Since the macros given below make use of the token list, this article may be seen as a sequel to an earlier paper on an indentation scheme, which is based on a similar principle. The parameter was explained there.

`\parskip`  
`\everypar`  
◀ **paragraph** ▶  
**skips**

◀ **Victor Eijkhout** ▶

**Maps 5 1990**

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**view**

## SGML (,T<sub>E</sub>X and ...)

What SGML (and T<sub>E</sub>X) is all about is given in a nutshell. Markup of example document elements, by SGML and L<sup>A</sup>T<sub>E</sub>X, are provided. Coupling SGML to T<sub>E</sub>X is considered by direct translation and by the intermediate procedural markup phase. Interfacing SGML to (La)T<sub>E</sub>X is also addressed. Some guidelines are provided in order to decide when SGML, or T<sub>E</sub>X (alone, both, or neither) might be beneficial. It is a 3-in-1 paper: what is SGML and T<sub>E</sub>X all about, examples of marked up copy in SGML and (La)T<sub>E</sub>X and the coupling issues, finished up with a literature compilation.

◀ SGML ▶

◀ Kees van der Laan ▶

Maps 5 1990

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# SGML en T<sub>E</sub>X in scientific publishing

Elsevier Science Publishers has for a few years investigated the possibility of accepting compuscripts, a manuscript in electronic form, created with T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X and a few other text processing systems, and converting these to SGMLform. This paper will discuss the current status of these activities, the reasons for converting compuscripts to SGMLform, and the various ways in which T<sub>E</sub>X is used.

◀ SGML ▶  
scientific publishing ▶

◀ Nico Poppelier ▶

Maps 5 1990

p 141-144  54 kB

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# The future of T<sub>E</sub>X and METAFONT

My work on developing T<sub>E</sub>X, METAFONT, and Computer Modern has come to an end. I will make no further changes except to correct extremely serious bugs.

[future ▶](#)

[Donald Knuth ▶](#)

[Maps 5 1990](#)

[p 145-146](#)  [15 kB](#)

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# Maps 6 1991

Verslag (1991/1)

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Jaarverslag NTG 1990

Financieel verslag 1990

Concept begroting 1991

T<sub>E</sub>X-NL subscription

NTG fileserver faciliteiten

Van de Voorzitter (1991/1)

WG 1: Education

WG 4: Fonts

WG 6: Lijst en link met fotozetters

WG 7: PC-zaken; T<sub>E</sub>X voor MS/PC-DOS PC's; Verkrijgbaarheid van emT<sub>E</sub>X

Brief aan PC werkgroep: Enige suggesties voor WG-PC's

WG 8: NTG conferentie

WG 10: SGML-T<sub>E</sub>X: Imposing structure upon T<sub>E</sub>X

Gebruik van T<sub>E</sub>X binnen het EGD

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# Verslag (1991/1)

Opening; Verslag bijeenkomst 11 mei 1990; Ingekomen stukken en Mededelingen; Stand van zaken Europese samenwerking/TUG international; Verslag/discussie werkgroepen; Verenigingszaken; Rondvraag; SGML (T<sub>E</sub>X and ...); Sluiting.

◀ report ▶  
◀ members meeting ▶

◀ Gerard van Nes ▶

Maps 6 1991

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# Werkgroepen NTG

Verslag werkgroepen.

◀ working group ▶

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# Jaarverslag NTG 1990

*geen samenvatting (no abstract)*

[report NTG](#) ▶

◀ [Gerard van Nes](#) ▶

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# Financieel verslag 1990

*geen samenvatting (no abstract)*

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[◀ Johannes Braams ▶](#)

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# Concept begroting 1991

*geen samenvatting (no abstract)*

◀ budget ▶

◀ Johannes Braams ▶

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# **T<sub>E</sub>X-NL subscription**

Overzicht gebruikers listserver.

◀ **TEX-NL** ▶  
◀ **mailing list** ▶

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# NTG fileserver faciliteiten

Overzicht inhoud NTG fileserver.

◀ fileserver ▶

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# Van de Voorzitter (1991/1)

T<sub>E</sub>X Nationaal en Internationaal. Oftewel: wat gebeurt er allemaal?

chairman ▶

◀ Kees van der Laan ▶

Maps 6 1991

p 27-28  26 kB

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# WG 1: Education

Verslag werkgroep 1: Educatie.

◀ working group ▶

◀ education ▶

Maps 6 1991

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# WG 4: Fonts

Activiteiten van de werkgroep Fonts.

◀ working group ▶  
fonts ▶  
METAFONT ▶

Erik-Jan Vens ▶  
◀ Jos Winnink ▶

Maps 6 1991

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# WG 6: Lijst en link met fotozetters

Verslag werkgroep 6.

◀ working group ▶  
photo typesetter  
inventory

◀ Theo Jurriens ▶

Maps 6 1991

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# WG 7: PC-zaken; T<sub>E</sub>X voor MS/PC-DOS PC's; Verkrijgbaarheid van emT<sub>E</sub>X

Activiteiten van werkgroep 7: PC-zaken, in het bijzonder de situatie met betrekking tot emT<sub>E</sub>X.

◀ working group ▶

◀ PC ▶

◀ MS-DOS ▶

◀ Atari ▶

emT<sub>E</sub>X ▶

◀ Jos Winnink ▶

Pieter Bison

Maps 6 1991

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# Brief aan PC werkgroep: Enige suggesties voor WG-PC's

Voorgesteld wordt een praktisch set voor de PC's beschikbaar te stellen, en de educatie daar op af te stemmen.

◀ working group ▶

◀ PC ▶

◀ MS-DOS ▶

◀ Kees van der Laan ▶

Maps 6 1991

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# WG 8: NTG conferentie

*geen samenvatting (no abstract)*

◀ working group ▶  
◀ conference ▶

◀ Joop van Gent

Maps 6 1991

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# WG 10: SGML- $\text{T}_{\text{E}}\text{X}$ : Imposing structure upon $\text{T}_{\text{E}}\text{X}$

Imposing structure upon  $\text{T}_{\text{E}}\text{X}$ .

- ◀ working group ▶
- ◀ SGML ▶
- ◀ structure

◀ Kees van der Laan ▶

Maps 6 1991

p 44-46  42 kB

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# Gebruik van T<sub>E</sub>X binnen het EGD

Conversie van tabellen binnen Quatro naar T<sub>E</sub>X; het gebruik van macros binnen het EGD.

EGD  
Quatro  
conversion ►  
◀ tables ▶

Henk Brouwer  
J.A. Jager  
P. Sader

Maps 6 1991

p 47  14 kB

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# Gebruik van T<sub>E</sub>X en L<sup>A</sup>T<sub>E</sub>X op het CAWCS

Overzicht van het gebruik van T<sub>E</sub>X op het CAWCS.

CAWCS

Leo van Geest  
Marion van Geest

Maps 6 1991

p 48-56  164 kB

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# Math into BLUes

T<sub>E</sub>Xing mathscripts is not simply typing. Math has to be translated into T<sub>E</sub>X commands. First the motivation for this work is given. Next traditional math page make-up is summarized along with the macroscopic math T<sub>E</sub>X commands. After answering `Why T<sub>E</sub>Xing mathscripts is difficult?' an anthology of T<sub>E</sub>X falls and their antidotes is discussed. At the end suggestions are given in order to lessen the difficulties.

[BLUe ▶](#)  
[◀ math ▶](#)

[◀ Kees van der Laan ▶](#)

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# Babel, a multilingual style-option system for use with L<sup>A</sup>T<sub>E</sub>X's document styles

The standard distribution of L<sup>A</sup>T<sub>E</sub>X contains a number of document styles that are meant to be used, but also serve as examples for other users to create their own document styles. These styles have become very popular among L<sup>A</sup>T<sub>E</sub>X. But it should be kept in mind that they were designed for American tastes and contain a number of hard-wired texts. This article describes a set of document-style options that can be used in combination with the standard styles, which makes the latter adaptable to other languages.

Babel ▶  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
document styles  
language  
multilingual ▶

◀ Johannes Braams ▶

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# Frequently Asked Questions (I)

This article contains answers to some frequently asked questions on comp.text.tex. Please don't ask these questions again, as they've been answered many times before.

[frequently asked questions ▶](#)  
[FAQ ▶](#)  
[comp.text.tex ▶](#)

[Bobby Bodenheimer ▶](#)

[Maps 6 1991](#)

[p 85-92](#)  [89 kB](#)

# Summary of METAFONT Fonts Available

This report includes all known fonts available in METAFONT format, whether public domain or not. Archive sites for ftp are listed where known. There is also a BITNET archive at [LISTSERV@UBVM.CC.BUFFALO.EDU](mailto:LISTSERV@UBVM.CC.BUFFALO.EDU).

◀ METAFONT ▶  
◀ fonts ▶  
availability

Liam Quin

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# Program text generation with T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X

Web; Cweb; Fweb; Spiderweb; Tgrind; C2L<sup>A</sup>T<sub>E</sub>X; C++2L<sup>A</sup>T<sub>E</sub>X; Cprog/Csty macros; Program environment; SchemeT<sub>E</sub>X; Ada; Miscellaneous.

program text generation

◀ Piet van Oostrum ▶

Maps 6 1991

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# L<sup>A</sup>T<sub>E</sub>X for engineers and scientists (book review)

Review of 'L<sup>A</sup>T<sub>E</sub>X for engineers and scientists' by David J. Buerger.

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
engineers  
scientists  
◀ book review ▶

◀ Nico Poppelier ▶

Maps 6 1991

p 107-108  32 kB

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# The structure of the T<sub>E</sub>X processor

In this article I will describe the T<sub>E</sub>X processor as a multi-layered engine that successively transforms characters into tokens, tokens into lists, and from these lists builds a typeset page.

- T<sub>E</sub>X processor
- characters
- tokens ▶
- lists ▶
- expansion ▶

◀ Victor Eijkhout ▶

Maps 6 1991

p 109-112  53 kB

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# Comments on the Future of T<sub>E</sub>X and METAFONT

*geen samenvatting (no abstract)*

[◀ future ▶](#)  
[T<sub>E</sub>X ▶](#)  
[◀ METAFONT ▶](#)

[Nelson Beebe ▶](#)

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# Maps 7 1991

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Van de Voorzitter (1991/2)

NTG's continuation: The Third Year

WG 1: Education; Contribution to TUG-LRP report

WG 1: Education; Review Michael Doob's A Gentle

WG 7: PC-zaken; T<sub>E</sub>X voor MS/PC-DOS PC's en Atari's

WG 13: `Neerlandica'; The Right of ij to be a Ligature

Enige Suggesties aan de Redactie van de MAPS

A Font and a Style for Typesetting Chess using L<sup>A</sup>T<sub>E</sub>X or T<sub>E</sub>X

Typesetting Bridge via L<sup>A</sup>T<sub>E</sub>X

Typesetting Bridge via T<sub>E</sub>X

Go diagrams with T<sub>E</sub>X

Towers of Hanoi, revisited

6th European T<sub>E</sub>X Conference

The TUG91 Annual Meeting

TUG Board of Directors meeting

Visit AMS and TUG office

T<sub>E</sub>Xniques in Siberia

An Introduction to T<sub>E</sub>X for New Users

Hoe met L<sup>A</sup>T<sub>E</sub>X een boek kan worden gemaakt

Ladies and L<sup>A</sup>T<sub>E</sub>X

Two Sides of the Fence

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Report on Workshop: Getting PostScript into T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X Documents  
The TUGLIB Server  
Self-replicating macros  
New books on T<sub>E</sub>X (2)  
Impression INRST<sub>E</sub>X, and some more  
AMST<sub>E</sub>X  
LAMST<sub>E</sub>X  
ScholarT<sub>E</sub>X  
TUGboat, Table of Contents  
'Insights in T<sub>E</sub>X' course (1)

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# Verslag (1991/2)

Opening; Verslag bijeenkomst 20 november 1990; Ingekomen stukken en Mededelingen; NTG jaarvergadering; Verslag/discussie werkgroepen; Rondvraag; NTG presentaties: `T<sub>E</sub>X in de praktijk'; Sluiting.

◀ report ▶  
◀ members meeting ▶

◀ Gerard van Nes ▶

Maps 7 1991

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# **T<sub>E</sub>X kalender & Glossary**

*geen samenvatting (no abstract)*

[◀ calendar ▶](#)  
[glossary ▶](#)

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# Werkgroepen NTG

Verslag werkgroepen.

◀ working group ▶

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# Begroting 1991 en 1992

*geen samenvatting (no abstract)*

◀ budget ▶

◀ Johannes Braams ▶

Maps 7 1991

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# **T<sub>E</sub>X-NL subscription**

Overzicht gebruikers listserver.

◀ **TEX-NL** ▶  
◀ **mailing list**

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# NTG fileserver faciliteiten

Overzicht inhoud NTG fileserver.

◀ fileserver ▶

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# Van de Voorzitter (1991/2)

*geen samenvatting (no abstract)*

◀ chairman ▶

◀ Kees van der Laan ▶

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## NTG's continuation: The Third Year

An NTG year of activity parallels the Dutch academic year: September to September. The membership increased by roughly 40% to circa 140 members of which 25 or so are institutional members. Due to the intermediate T<sub>E</sub>X course some financial reserve has been built up. NTG's third year can be characterized by 'continuation,' and the embarkation upon a multi-year project.

◀ NTG ▶  
continuation

◀ Kees van der Laan ▶

Maps 7 1991

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# WG 1: Education; Contribution to TUG-LRP report

Worldwide T<sub>E</sub>X/METAFONT education is proposed with compatible modules, such that a user can plan an education path. A pool of teachers is proposed. How to address the problem of qualified teachers is touched upon.

◀ working group ▶  
◀ education ▶  
TUG-LRP

◀ Kees van der Laan ▶

Maps 7 1991

p 26-32  84 kB

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# WG 1: Education; Review Michael Doob's A Gentle

Review of Michael Doob's 'A Gentle Introduction to T<sub>E</sub>X'.

◀ book review ▶  
review ▶

◀ Kees van der Laan ▶

Maps 7 1991

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# WG 7: PC-zaken; T<sub>E</sub>X voor MS/PC-DOS PC's en Atari's

Activiteiten van werkgroep 7: PC-zaken.

- ◀ working group ▶
  - ◀ PC ▶
  - ◀ MS-DOS ▶
  - ◀ Atari ▶

◀ Jos Winnink ▶

Maps 7 1991

p 36  21 kB

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# WG 13: `Neerlandica'; The Right of ij to be a Ligature

Discussion of the right of the Dutch `ij' to be a ligature.

◀ Neerlandica  
ij-ligature

David van Leeuwen ▶

Maps 7 1991

p 37-38  34 kB

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## Enige Suggesties aan de Redactie van de MAPS

De functie van de MAPS wordt belicht en gerelateerd aan hoe dat te verwezenlijken. Punten aangestipt zijn: onjuiste afbrekingen, slecht-ogende automatische uitvullingen, en typos. Voorgestelde oplossing geen refereemechanisme maar duidelijk aan de auteurs geven van wat van ze verwacht wordt plus overgaan op de nieuwere tools. Structureel is het te late verschijnen voorkomen vanwege het notulen-aspect: geen notulen geen vergadering.

◀ Kees van der Laan ▶

Maps 7 1991

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# A Font and a Style for Typesetting Chess using L<sup>A</sup>T<sub>E</sub>X or T<sub>E</sub>X

*geen samenvatting (no abstract)*

[typesetting ▶](#)  
[chess ▶](#)  
[◀ fonts ▶](#)

[Piet Tutelaers ▶](#)

Maps 7 1991

**p 41-46**  **92 kB**

[view](#)

# Typesetting Bridge via L<sup>A</sup>T<sub>E</sub>X

L<sup>A</sup>T<sub>E</sub>X macros and a bidding environment for typesetting bridge card distributions and bidding sequences are given. Examples borrowed from bridge literature are supplied.

[bridge](#) ▶

◀ [L<sup>A</sup>T<sub>E</sub>X](#) ▶

◀ [Kees van der Laan](#) ▶

Maps 7 1991

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# Typesetting Bridge via T<sub>E</sub>X

Enhanced plain T<sub>E</sub>X macros and a bidding environment for typesetting bridge card distributions and bidding sequences are given. As a follow-up of the L<sup>A</sup>T<sub>E</sub>X macros given in [12]. Moreover, macros for annotated printing of the course of the play are provided. Examples of use are included.

[◀ bridge ▶](#)  
[plain T<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

Maps 7 1991

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# Go diagrams with T<sub>E</sub>X

Encoureged by Zalman Rubinstein, who described his chess diagrams in TUGboat vol. 10 no. 2, I have prepared some special fonts and T<sub>E</sub>X macros to be used in typesetting go diagrams.

go  
diagrams

Hanna Kołodziejska

Maps 7 1991

p 63-66  220 kB

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# Towers of Hanoi, revisited

Another version of T<sub>E</sub>Xing of 'The Towers of Hanoi' problem is provided, which does not assume Lisp knowledge, just plain T<sub>E</sub>X. Also some variations of use are included, among others to remove the restriction on the disks: disk size can be supplied by more than one digit.

[tower of Hanoi](#) ▶

◀ [Kees van der Laan](#) ▶

Maps 7 1991

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Maps 7 1991

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# TUG Board of Directors meeting

The following are loosely formulated issues which were agreed upon. For more preciseness the reader is referred to the (approved) minutes.

## Visit AMS and TUG office

A report is given of the role of AMS with respect to  $\text{T}_\text{E}\text{X}$  and TUG. The TUG office is next door and the cooperation is beneficial. A few relevant documents and the AMS preprint styles as well as the accompanying documentation are enumerated.

[AMS ▶](#)  
[TUG office](#)

[◀ Kees van der Laan ▶](#)

Maps 7 1991

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# **T<sub>E</sub>Xniques in Siberia**

This article summarizes the problems of giving a L<sup>A</sup>T<sub>E</sub>X course in Siberia. It concludes with an overview concerning the future of T<sub>E</sub>X inside the USSR.

Siberia

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ courses ▶

USSR

◀ Theo Jurriens ▶

Maps 7 1991

p 87-90  226 kB

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# An Introduction to T<sub>E</sub>X for New Users

The purpose of this brief introduction is not to present a tutorial into the use of T<sub>E</sub>X, but rather to introduce the user to the whole notion of what it means to use T<sub>E</sub>X, how T<sub>E</sub>X differs from other typesetting systems, and what the advantages are to using T<sub>E</sub>X.

[introduction ▶](#)  
[new users](#)

[Alan Hoenig ▶](#)

Maps 7 1991

[p 91-96](#)  [85 kB](#)

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# Hoe met L<sup>A</sup>T<sub>E</sub>X een boek kan worden gemaakt

Het creëren van een boek met L<sup>A</sup>T<sub>E</sub>X is geen vanzelfsprekende bezigheid. Onderstaand het relaas van zo'n poging: het boek-in-wording Inleiding Informatica dat in eerste instantie als dictaat bij het bijbehorende college is geschreven en nu in een boekversie is aangeboden aan Addison-Wesley. In onderstaand betoog wordt voorbij gegaan aan het belangrijkste onderdeel van het schrijven van een boek: het schrijven van de tekst. We zullen het hier slechts hebben over de problemen en oplossingen voor wat betreft de layout.

Rein Smedinga ▶

Maps 7 1991

p 97-101  55 kB

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# Ladies and L<sup>A</sup>T<sub>E</sub>X

This paper describes the use of L<sup>A</sup>T<sub>E</sub>X by non-astronomers at the Kapteyn Institute. Although the general opinion is that it is too complicated for non-scientist, experience in Groningen proves otherwise. If you provide good tools or styles everybody is capable of using L<sup>A</sup>T<sub>E</sub>X. Also, the astronomers took over tricks from the ladies, simplifying their lives, too.

◀ L<sup>A</sup>T<sub>E</sub>X ▶

non-scientists  
simplification

◀ Theo Jurriens ▶

Maps 7 1991

p 102-104  34 kB

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# Two Sides of the Fence

The purpose of this talk is to give an overview of the four days of the twelfth annual TUG meeting; it is an attempt to show that the different streams in the programme of the meeting are connected, that they are part of a whole. Also, I make some comments and observations regarding the current status and the future of T<sub>E</sub>X, and the future of publishing in general.



# Report on Workshop: Getting PostScript into T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X Documents

*geen samenvatting (no abstract)*

[workshop](#)  
[◀ PostScript ▶](#)

[Anita Hoover ▶](#)

Maps 7 1991

[p 111-116](#)  [62 kB](#)

[view](#)

# The TUGLIB Server

Scores of sites on the worldwide Internet now provide access to assorted collections of software relating to T<sub>E</sub>X and METAFONT. In many cases, these are accessible only via the Internet mechanism known as anonymous ftp, a scheme that permits logins from unknown users, usually on other machines, with very restricted access. The name ftp is an acronym for file transfer protocol. To improve the access to the T<sub>E</sub>X archives and other software at Utah, I have installed `tuglib'. This server provides a means whereby remote users can send electronic mail messages containing service requests to a daemon program. The daemon parses the requests, logs them, and responds to them.

**TUGLIB**  
**◀ FTP ▶**  
**mail**  
**internet ▶**

**◀ Nelson Beebe ▶**

**Maps 7 1991**

**p 117-123**  **76 kB**

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# Self-replicating macros

*geen samenvatting (no abstract)*

macros ►  
self-replication

◀ Victor Eijkhout ►  
Ron Sommeling

Maps 7 1991

p 124  14 kB

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## New books on T<sub>E</sub>X (2)

Review of 'A Beginner's Book of T<sub>E</sub>X' (Kopka/Levy).

[new books](#)  
[◀ book review ▶](#)

[◀ Victor Eijkhout ▶](#)

Maps 7 1991

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# Impression INRST<sub>E</sub>X, and some more

The work of Michael Fergusson on INRST<sub>E</sub>X is discussed, Michael's comments on the review are included.

◀ Kees van der Laan ▶

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Michael Spivak

Maps 7 1991

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ScholarT<sub>E</sub>X is a collection of fonts, macros, preprocessor, hyphenation patterns, other related software and a 150-pages manual with many illustrations, examples, exercises and mottos. It's purpose is to allow the use of T<sub>E</sub>X in the following languages: Greek, Epigraphical Greek, Armenian, Arabic, Hebrew, Syriac, Saxon, Old German, Phonetic Alphabet.

**Yannis Haralambous** ▶

**Maps 7 1991**

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# TUGboat, Table of Contents

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contents ▶

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# `Insights in T<sub>E</sub>X' course (1)

This course, with no hands-on, is aimed at T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X users who are ready for to acquire more insights into the T<sub>E</sub>Xnigma. For those who are still working at the `book' level an extra one-day introductory course can be organized if need for that is large enough.

[◀ courses ▶](#)  
[insights](#)

[David Salomon ▶](#)

Maps 7 1991

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# Maps 8 1992

Verslag (1992/1)

T<sub>E</sub>X kalender & Glossary & Aanschaf T<sub>E</sub>X boeken

Werkgroepen NTG

Van de Voorzitter (1992/1)

Jaarverslag NTG 1991

Financieel verslag NTG 1991

NTG's listserver T<sub>E</sub>X-NL

NTG's fileserver T<sub>E</sub>X-NL

WG 1: Education; Review Urban's `An introduction to L<sup>A</sup>T<sub>E</sub>X'

WG 1: Education; Addendum `Publiceren met L<sup>A</sup>T<sub>E</sub>X'

WG 4: Fonts: Met schuine en begerige ogen

WG 7: PC-zaken

MusicT<sub>E</sub>X; using T<sub>E</sub>X to write polyphonic or instrumental music

Dating with T<sub>E</sub>X

Dag van het Document (verslag ITI-TNO informatiedag)

Molecuul Muis Manuscript (verslag KNCV symposium)

An introduction to T<sub>E</sub>X — part I course David Salomon —

The Components of T<sub>E</sub>X

L<sup>A</sup>T<sub>E</sub>X3 project

L<sup>A</sup>T<sub>E</sub>X Editing support

Prolegomena toward a font selection scheme

From observation to publication

FIFO and LIFO incognito

Tower of Hanoi

Typesetting Crosswords via T<sub>E</sub>X

Ladies & L<sup>A</sup>T<sub>E</sub>X — II

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# Verslag (1992/1)

Opening; Verslag bijeenkomst 2 mei 1991; Ingekomen stukken en Mededelingen; Verslag/discussie werkgroepen; Rondvraag; NTG presentaties: `Fun with T<sub>E</sub>X'; Sluiting.

[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Gerard van Nes ▶](#)  
[◀ Jos Winnink ▶](#)

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# **T<sub>E</sub>X kalender & Glossary & Aanschaf T<sub>E</sub>X boeken**

*geen samenvatting (no abstract)*

[◀ calendar ▶](#)

[◀ glossary ▶](#)

[◀ book ▶](#)

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# Werkgroepen NTG

Verslag werkgroepen.

◀ working group ▶

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# Van de Voorzitter (1992/1)

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◀ chairman ▶

◀ Kees van der Laan ▶

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# Jaarverslag NTG 1991

In 1991 ging de NTG zijn 4e jaar van bestaan in. Wederom verschenen er een tweetal MAPS (Minutes & APpendices), twee NTG bijeenkomsten vonden plaats met een groeiend aantal lezingen, bestuursverkiezingen werden voor het eerst gehouden, een gecombineerd NTG/TUG lidmaatschap werd mogelijk, de samenwerking met Wetenschappelijk Nederland kreeg gestalte, en er werd verdere aandacht besteed aan de continuering en acceptatie van de NTG.

[◀ report NTG ▶](#)

[◀ Gerard van Nes ▶](#)

Maps 8 1992

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# Financieel verslag NTG 1991

*geen samenvatting (no abstract)*

◀ financial report ▶

◀ Johannes Braams ▶

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# NTG's listserver T<sub>E</sub>X-NL

Overzicht gebruikers listserver.

◀ listserver ▶  
◀ TEX-NL ▶

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# NTG's fileserver T<sub>E</sub>X-NL

Overzicht inhoud NTG fileserver.

◀ fileserver ▶

Maps 8 1992

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# WG 1: Education; Review Urban's 'An introduction to L<sup>A</sup>T<sub>E</sub>X'

Review of Michael Urban's 'An introduction to L<sup>A</sup>T<sub>E</sub>X'

[◀ review ▶](#)  
[◀ book review ▶](#)

[◀ Kees van der Laan ▶](#)

Maps 8 1992

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# WG 1: Education; Addendum `Publiceren met L<sup>A</sup>T<sub>E</sub>X`

Addendum `Publiceren met L<sup>A</sup>T<sub>E</sub>X`

◀ Kees van der Laan ▶

Maps 8 1992

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# WG 4: Fonts: Met schuine en begerige ogen

`Peremesjtsjenije', Een verhaal van nette armoei.

# WG 7: PC-zaken

Activiteiten van werkgroep 7: PC-zaken.

◀ working group ▶

◀ PC ▶

◀ MS-DOS ▶

◀ Atari ▶

◀ Jos Winnink ▶

Maps 8 1992

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# Music<sub>T<sub>E</sub>X</sub>; using T<sub>E</sub>X to write polyphonic or instrumental music

Music<sub>T<sub>E</sub>X</sub> is a set of T<sub>E</sub>X macros to typeset polyphonic, orchestral or polyphonic music.

[music ▶](#)

[Daniel Taupin ▶](#)

Maps 8 1992

[p 35-52](#)  [275 kB](#)

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# Dating with T<sub>E</sub>X

Three T<sub>E</sub>X-coded algorithms are given for performing tricks with dates.

◀ Theo Jurriens ▶

Maps 8 1992

p 53-56  18 kB

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## Dag van het Document (verslag ITI-TNO informatiedag)

Een verslag van de dag van het document. Centraal stond de problematiek: opslag en retrieval van documenten. Interessant waren het begrip bibliotheek zonder muren, en de intelligente auteursomgevingen. Het dilemma ten aanzien van het centrale theam is: moeten wij alles bewaren of selecteren en vergeten? Ook het forum kwam hier niet uit. Er was een beurs met een 20-tal stands.

document  
opslag en retrieval  
ITI-TNO

◀ Kees van der Laan ▶

Maps 8 1992

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## Molecuul Muis Manuscript (verslag KNCV symposium)

Op 18 oktober 1991 werd door de sectie Computertoepassingen van de KNCV (Koninklijke Nederlandse Chemische Vereniging) een symposium m.b.t. chemische tekstverwerking georganiseerd. Naast een algemene introductie over 'Electronisch Publiceren', kregen zowel de Apple Macintosh als MS-DOS geïnteresseerden (chemici) de huidige mogelijkheden van het verwerken van chemische teksten voorgeschoteld. Het pakket T<sub>E</sub>X kwam in een laatste lezing naar voren. De duidelijk geslaagde dag werd bezocht door een kleine honderd deelnemers, inclusief een tiental leveranciers. Vele (leerzame) demonstraties, zowel tijdens de lezingen, als ook tussen de lezingensessies door, zorgden mede voor een duidelijk overzicht.

[chemistry ▶](#)  
[electronic publishing ▶](#)  
**KNCV**

[◀ Gerard van Nes ▶](#)

**Maps 8 1992**

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# An introduction to T<sub>E</sub>X — part I course David Salomon —

*geen samenvatting (no abstract)*

◀ introduction

◀ David Salomon ▶

Maps 8 1992

p 63-80  274 kB

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# The Components of T<sub>E</sub>X

T<sub>E</sub>X needs a great amount of supplementary components (files and programs) of which the meaning and interaction often is unknown. This paper explains the components of the kernel system T<sub>E</sub>X that are visible for the T<sub>E</sub>X user and their relations.

Joachim Schrod ▶

Maps 8 1992

p 81-86  67 kB

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# L<sup>A</sup>T<sub>E</sub>X Editing support

The structured markup of L<sup>A</sup>T<sub>E</sub>X can be easy to read and understand, but tedious to type. Its syntax of environment groups bears a strong resemblance to the begin/end groups of the Algol family of computer programming languages, which can be described by rigorous grammars that in turn permit the automatic construction of lexical analyzers and parsers, and structured editors to support programming in those languages. This article describes a powerful facility for the preparation of L<sup>A</sup>T<sub>E</sub>X documents using the Emacs text editor.

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
editing ▶  
emacs ▶

◀ Nelson Beebe

Maps 8 1992

p 91-114  237 kB

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## Prolegomena toward a font selection scheme

Most users of plain T<sub>E</sub>X do not get very sophisticated in their use of fonts. Often they resort to declaring all used fonts explicitly with `\font`. There are some obvious disadvantages to that: it is not possible to switch a whole document in a simple way to a different typeface, or to a different size. As a result, I've seen such phenomena as an article with an abstract in 8 or 9 point, but where the formulas were still in 10 point, or pages of 'magnified' type where the lines were cramped, because the `\magnification` was not increased with the type size. The need for a good font selection scheme is thus quite obvious, but the implementation of one is not.

◀ Victor Eijkhout ▶

Maps 8 1992

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## From observation to publication

This article describes the use of T<sub>E</sub>X in publishing observations of variable stars observed by Dutch amateur-astronomers. The observations are published in the journal `Variabilia' and in the so-called Reports. In the latter the observations, collected in several years, are published and submitted to the professional astronomer. It includes tables and light-curves: plot of the changing magnitude of the star versus time. In creating the light-curves: PICT<sub>E</sub>X is used. In preparing the files for PICT<sub>E</sub>X simple T<sub>E</sub>X-coding is used for manipulating the data.

◀ Theo Jurriens ▶

Maps 8 1992

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## FIFO and LIFO incognito

FIFO, first-in-first-out, and LIFO, last-in-last-out, are well-known techniques for handling sequences. In T<sub>E</sub>X macro writing they are abundant but are not easily recognized as such. T<sub>E</sub>X templates for FIFO and LIFO are given and their use is illustrated.

[FIFO](#) ▶

[LIFO](#) ▶

◀ [Kees van der Laan](#) ▶

Maps 8 1992

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# Tower of Hanoi

Another version of programming `The Tower of Hanoi' in T<sub>E</sub>X is provided. No nodding knowledge of Lisp is required; just plain T<sub>E</sub>X. There is no restriction on the number of disks, apart from the installed limits of T<sub>E</sub>X. Generalized disks can be moved as well.

◀ tower of Hanoi

◀ Kees van der Laan ▶

Maps 8 1992

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# Typesetting Crosswords via T<sub>E</sub>X

A macro is provided for typesetting crosswords via (plain) T<sub>E</sub>X, or any T<sub>E</sub>X, which allows `\use` use. The specification of the crossword information can be done in the WYSIWYG way, and does not require `\markup` markup, just the data.

[crosswords ▶](#)

[\halign](#)

[WYSIWYG ▶](#)

[◀ plain T<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

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# Ladies & L<sup>A</sup>T<sub>E</sub>X — II

In dit artikel wordt mijn ervaring als L<sup>A</sup>T<sub>E</sub>X-docent, vraagbaak voor secretaresses beschreven. Er zijn twee bronnen van problemen: organisatie en T<sub>E</sub>X-techniek.

◀ Theo Jurriens ▶

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## Book reviews

Reviews of 'L<sup>A</sup>T<sub>E</sub>X for Everyone' (Jane Hahn), 'Practical SGML' (Eric van Herwijnen), 'T<sub>E</sub>X by Topic, A T<sub>E</sub>Xnician's Reference' (Victor Eijkhout).

◀ [book review](#) ▶

◀ [SGML](#) ▶

◀ [Nico Poppelier](#) ▶

◀ [Amy Hendrickson](#)

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# Spivak's Oeuvre

Spivak's 'The Joy of T<sub>E</sub>X' and 'LAMST<sub>E</sub>X — The Synthesis' are discussed.

◀ LAMST<sub>E</sub>X

◀ Kees van der Laan ▶

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# TUGboat, Table of Contents

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# Tijdschriften zusterverenigingen

*geen samenvatting (no abstract)*

journals ▶

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# EuroT<sub>E</sub>X92 announcement

Announcement of the EuroT<sub>E</sub>X'92 conference.

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
announcement ▶  
Prague ▶

Jiří Vesely

Maps 8 1992

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## ‘Insights in T<sub>E</sub>X’ course (2)

This advanced course, with no hands-on, is aimed at those T<sub>E</sub>X and/or L<sup>A</sup>T<sub>E</sub>X users who are ready for a deeper insight into the T<sub>E</sub>Xnigma. An extra one-day introductory course can be organized for inexperienced users, if there is enough demand.

[◀ courses ▶](#)

[◀ David Salomon ▶](#)

Maps 8 1992

[p 149-150](#)  [27 kB](#)



# Maps 9 1992

Verslag (1992/2)

T<sub>E</sub>X kalender & Glossary & Discount boeken en software voor NTG leden

Werkgroepen NTG

Van uw MAPS Editor (1992)

Van de Voorzitter (1992/2)

Concept begroting 1993

NTG's listserver T<sub>E</sub>X-NL

NTG's fileserver T<sub>E</sub>X-NL

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WG 4: Fonts; Hoe maak ik van een font twee fonts?

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The Key to Successful Support: Knowing Your T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X Users

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# Verslag (1992/2)

Opening; Verslag bijeenkomst 21 november 1991; Ingekomen stukken en Mededelingen; NTG jaarvergadering; Verslag/discussie werkgroepen; Rondvraag; NTG presentaties: `T<sub>E</sub>X and Scientific Publishing'; Sluiting.

◀ report ▶  
◀ members meeting ▶

◀ Gerard van Nes ▶  
◀ Jos Winnink ▶

Maps 9 1992

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# **T<sub>E</sub>X kalender & Glossary & Discount boeken en software voor NTG leden**

*geen samenvatting (no abstract)*

- ◀ calendar ▶
- ◀ glossary ▶
- ◀ book ▶
- ◀ software ▶



# Werkgroepen NTG

Verslag werkgroepen.

◀ working group ▶

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# Van uw MAPS Editor (1992)

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◀ MAPS ▶

◀ Gerard van Nes ▶

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# Van de Voorzitter (1992/2)

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◀ chairman ▶

◀ Kees van der Laan ▶

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# Concept begroting 1993

*geen samenvatting (no abstract)*

◀ budget ▶

◀ Johannes Braams ▶

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# NTG's listserver T<sub>E</sub>X-NL

Overzicht gebruikers listserver.

◀ listserver ▶  
◀ TEX-NL ▶

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Maps 9 1992

p 13-15  22 kB

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# NTG's fileserver T<sub>E</sub>X-NL

Overzicht inhoud NTG fileserver.

◀ fileserver ▶

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p 16-22  43 kB

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## WG 3: Evaluatie; Formules in WP5.1, DECwrite en L<sup>A</sup>T<sub>E</sub>X

De pakketten WP5.1, DECwrite en L<sup>A</sup>T<sub>E</sub>X bieden de mogelijkheid om formules te typesetten. Om de mogelijkheden en kwaliteit te kunnen beoordelen is geprobeerd een vijftal formules met behulp van de drie pakketten te maken.

formulas  
evaluation

WordPerfect ►

DECwrite

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ Huub Mulders

Maps 9 1992

p 23-30  173 kB

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## WG 4: Fonts; Hoe maak ik van een font twee fonts?

Andrea de Leeuw van Weenen wilde een deel van haar zelfgemaakte font aan kunnen spreken met de gewone letters op het toetsenbord, en niet met lastig in te typen en (evt.) lastig te onthouden macros. De aangewezen manier leek het maken van een virtueel font. Dus heb ik eens op een rijtje gezet wat je daarvoor nodig hebt.

◀ working group ▶

◀ fonts ▶

virtual fonts ▶

◀ Erik-Jan Vens ▶

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# 7th European T<sub>E</sub>X Conference: EuroT<sub>E</sub>X'92

Highlights of this EuroT<sub>E</sub>X'92 at Prague were:

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
◀ Prague ▶

◀ Kees van der Laan ▶

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# Verslag van de TUG conferentie in Portland, Oregon

Verslag van de TUG conferentie in Portland, Oregon.

◀ TUG conference ▶  
Portland

◀ Johannes Braams ▶

Maps 9 1992

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# The Key to Successful Support: Knowing Your T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X Users

The primary emphasis of this paper is to address the issues related to supporting T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X. One essential ingredient to successfully supporting any package is that you must know your users. In the case of T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, this is especially true, because the user base can be so diverse. This paper will focus on support strategies that address different types of users and what you can do as a T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X support person to adopt these strategies in your organization.

[◀ Anita Hoover](#)

Maps 9 1992

**p 43-49**  **80 kB**

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# The Pursuit of Quality

This paper compares high-quality craft typography with the state of the art in automated typesetting. The first part discusses several typographical conventions which cannot be implemented by means of any formatting model currently in use. The second part explains why the current paradigms of computerized typesetting will not serve for high-quality formatting and suggests directions for the further research necessary to improve the quality of computer generated layout.

craft typography  
automated typesetting  
document formatting models  
paradigm  
typographic rules  
visual contexts  
logical contexts  
global optimization

◀ Frank Mittelbach ▶  
Chris Rowley ▶

Maps 9 1992

p 50-56  80 kB

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# Writing Reports with More than a Hundred People

This paper describes a system that produces project status reports using L<sup>A</sup>T<sub>E</sub>X. The reports contain both textual and financial information. The textual part of the status reports is written by over a hundred people who don't need to know what L<sup>A</sup>T<sub>E</sub>X is. The financial information is retrieved from a database.

automated report writing

◀ L<sup>A</sup>T<sub>E</sub>X ▶

Walter van der Laan

◀ Johannes Braams ▶

Maps 9 1992

p 57-62  145 kB

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## **T<sub>E</sub>X-based Production at the AMS**

The American Mathematical Society (AMS) is a both major publisher of mathematical research, and a professional organization whose members are mathematicians engaging in research at academic institutions and other research centers in the U.S. and around the world. A primary function of the Society is to provide channels of communication whereby these mathematicians can communicate the results of their research to each other, and to the broader scientific community. Foremost among these channels of communication is an extensive publications program which is based on the T<sub>E</sub>X typesetting system.

# Standard dtd's and Scientific Publishing

This paper has two parts. In the first part we argue that scientific publishing needs one standard dtd for each class of documents that is published, for example one for all research papers and one for all books. In the second part we apply this reasoning to mathematical formulas, and we outline some design requirements for a document type definition for mathematical formulas. In the appendices we discuss and compare existing document type definitions for mathematical formulas.

[DTD](#) ▶

◀ [SGML](#) ▶

◀ [scientific publishing](#) ▶

◀ [Nico Poppelier](#) ▶

[Eric van Herwijnen](#)

◀ [Chris Rowley](#) ▶

Maps 9 1992

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# Incorporating PostScript fonts in T<sub>E</sub>X

pfb2mf provides the T<sub>E</sub>X community with an interface to the PostScript Type One fonts. There is an overwhelming amount of these fonts for sale and there are a lot of fonts in the Public Domain, so it extends the range of typefaces the T<sub>E</sub>X user can choose from.

◀ PostScript ▶  
◀ fonts ▶  
pfb2mf  
◀ conversion ▶

◀ Erik-Jan Vens ▶

Maps 9 1992

p 81-84  58 kB

view



# Creating Shaded Rectangles with PostScript

One of the most common graphics used in documents is text with a shaded background. This is hard to do with T<sub>E</sub>X but easy with PostScript. Simple PostScript code is presented here to create shaded rectangles, and a macro is developed to combine such a rectangle with text.

# Introduction to METAPOST

METAPOST is a picture-drawing language very much like METAFONT except with PostScript output. The language provides access to all major features of Level 1 PostScript and it has facilities for integrating graphics with typeset text. This paper gives a brief overview of the METAPOST language and how it can be used. A few of the more interesting features are described in detail.

◀ METAFONT ▶  
METAPOST ▶  
picture drawing

John Hobby

Maps 9 1992

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# **T<sub>E</sub>X for Everyone!?**

In this article author tries to defend a more general use of T<sub>E</sub>X outside the world of mathematics, astronomy, physics etc. The ! or ? in the title of this paper is the question. Several examples are shown why T<sub>E</sub>X is much powerful than a dull word-processing package.

◀ METAFONT ▶

◀ PostScript ▶

◀ Theo Jurriens ▶

Maps 9 1992

p 97-99  48 kB

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# **T<sub>E</sub>X als Database**

In dit artikel wordt beschreven hoe T<sub>E</sub>X is gebruikt als een primitieve database voor de administratie van de 47ste Nederlandse Astronomen Conferentie.

◀ **databases** ▶  
**administration**

◀ **Theo Jurriens** ▶

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# Ladies and L<sup>A</sup>T<sub>E</sub>X – III Vragen allerlei!

In het dagelijks gebruik van L<sup>A</sup>T<sub>E</sub>X komen we zo af en toe toch nog wel eens problemen voor. In dit artikel vragen uit de praktijk en de mogelijke oplossingen.

[floats ▶](#)  
[multi-columns ▶](#)  
[letter ▶](#)  
[table of contents ▶](#)

◀ [Theo Jurriens](#)

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# Just give me a Lollipop (it makes my heart go giddy-up)

The Lollipop format is a meta-format: it does not define user macros, but it contains the tools with which a style designer can easily implement such user macros. This article will show some of the capabilities of Lollipop and will give the reader a small peek behind the scenes of the implementation.

Lollipop  
meta-format  
◀ style design

◀ Victor Eijkhout ▶

Maps 9 1992

p 105-110  66 kB

view

# Index Preparation for T<sub>E</sub>X Related Documents

A beta release of the MakeIndex program has recently become available for the Macintosh computer, and I immediately started using it to prepare the indexes of two new books. MakeIndex is easy to use with L<sup>A</sup>T<sub>E</sub>X but, since I like to work with plain T<sub>E</sub>X, I have developed all the necessary macros from scratch. They are presented here for the benefit of anyone who wants a professionally looking index.

[index preparation](#) ▶  
[MakeIndex](#) ▶

◀ [David Salomon](#)

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## Table Diversions

Characteristics of existing table macro collections are given. A kaleidoscope of tables — as next best to a taxonomy — is presented. Newly introduced is the class of bordered tables. Variations in print-ruled, nonruled, framed, nonframed, dotted, centered, flushed-can be obtained via the invoke of parameter setting macros; no modification of user mark up. Simultaneous row and column spans, partial rules, and dotted lines are dealt with. The listing of the macro , with auxiliaries, is included.

[◀ tables ▶](#)

[bordered table](#)

[◀ plain T<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

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# Syntactic Sugar

A plea is made for being honest with T<sub>E</sub>X and not imposing alien structures upon it, otherwise than via compatible extensions, or via (non-T<sub>E</sub>X) user interfaces to suit the publisher, the author, or the typist. This will facilitate the process to get (complex) publications out effectively, and typographically of high-quality.

[array addressing](#)  
[loops](#) ▶  
[parameters](#)  
[linear search](#)  
[sorting](#) ▶  
[switch](#)  
[◀ plain T<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

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# Heap Sort in T<sub>E</sub>X

Sorting in plain T<sub>E</sub>X is implemented via heap sort. The heap sort algorithm is explained and the encoding given.

[heap sort](#) ▶  
◀ [plain T<sub>E</sub>X](#) ▶

◀ [Kees van der Laan](#) ▶

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# FIFO and LIFO sing the BLUes

FIFO, First-In-First-Out, and LIFO, Last-In-First-Out, are well-known techniques for handling sequences. In T<sub>E</sub>X macro writing they are abundant but are not easily recognized as such. T<sub>E</sub>X templates for FIFO and LIFO are given and their use illustrated. The relation with Knuth's , answer ex11.5, and , p.376, is given.

- ◀ FIFO ▶
- ◀ LIFO ▶
- ◀ BLUe ▶
- ◀ plain T<sub>E</sub>X ▶

◀ Kees van der Laan ▶

Maps 9 1992

p 139-144  89 kB

view

# Typesetting Crosswords via T<sub>E</sub>X, revisited

An alternative macro, to van der Laan (1992b), is provided for typesetting crosswords via T<sub>E</sub>X.

## Scientific Word; T<sub>E</sub>X à la WYSIWYG

A software package for Windows and OS2WIN for inputting mathematical formulas WYSIWYG according to all T<sub>E</sub>X rules. Internal storage format is a mixture of T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X and macros of own design. Mathematical formulas are immediately shown the way they will be printed. Line width for text is limited to the width of the window for ease of use. The built in previewer from TurboT<sub>E</sub>X shows the whole document layout. There are also dvi drivers included for PostScript, LaserJet, DeskJet and matrixprinters. Pictures can be called just as easy as formulas can be inputted. A description of the philosophy of this package and how to work with it.

Scientific Word ▶

◀ WYSIWYG ▶

Windows ▶

OS2WIN ▶

Jan Krugers ▶

Maps 9 1992

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## Bugs (sigh) in Knuths `Computers & Typesetting`

In may/june this year a discussion started on the T<sub>E</sub>X-NL listserver (by Kees van der Laan and Nico Poppelier) about the releases of Knuths book series: it was not sure that Addison-Wesley was selling only the latest book editions. We have forwarded that discussion directly to Addison-Wesley in Amsterdam. The answer is included in next section.

[bugs ▶](#)

[Knuth ▶](#)

**Computers & Typesetting**

[◀ Gerard van Nes ▶](#)

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# L<sup>A</sup>T<sub>E</sub>X3; Call for Volunteers

This is a call for volunteers to help in the development of L<sup>A</sup>T<sub>E</sub>X3. There are many tasks needing to be done in support of the L<sup>A</sup>T<sub>E</sub>X3 project which can be worked on concurrently with the development of the L<sup>A</sup>T<sub>E</sub>X3 kernel. Furthermore, some tasks require special expertise not found among the core programming team. Initial research, analysis, and work on these tasks by volunteers can greatly speed up the process of integrating a number of desirable features into L<sup>A</sup>T<sub>E</sub>X3. Many of these features can be extensively developed and tested under L<sup>A</sup>T<sub>E</sub>X 2.09 even before the L<sup>A</sup>T<sub>E</sub>X3 kernel is available.

Michael Downes

Maps 9 1992

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# EuroT<sub>E</sub>X'92 proceedings

EuroT<sub>E</sub>X '92 proceedings volume contains 330 pages of papers presented at the last European T<sub>E</sub>X Conference held in Prague, Czechoslovakia. There are full texts of five invited talks included, presenting topics ranging from the future of T<sub>E</sub>X to combinations involving METAFONT and PostScript, and also user support. The volume is available from the Czechoslovak T<sub>E</sub>X user's group for only DM 30.—.

◀ EuroT<sub>E</sub>X ▶  
proceedings ▶  
◀ Prague

Jiří Zlatuška ▶

Maps 9 1992

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# TUG '93; Call for Papers

Call for papers for TUG'93 meeting.

◀ TUG conference ▶  
call for papers ▶

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Van de Voorzitter (1993/1)

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Financieel verslag NTG 1992

NTG's Listserver T<sub>E</sub>X-NL

NTG's Fileserver T<sub>E</sub>X-NL

NTG's Bulletin Board FGBBS

A Catalogue of T<sub>E</sub>X Macros

A way to ensure the future of T<sub>E</sub>X: make its use easier on low-cost machines

4T<sub>E</sub>X: a T<sub>E</sub>X Workbench for MS-DOS PC's

T<sub>E</sub>X zonder omhaal; voor Atari ST en andere PC's (I)

Gezeefd uit de T<sub>E</sub>X-NL discussielijst (1993/1)

armT<sub>E</sub>X, een port van T<sub>E</sub>X voor de Archimedes

Het gebruik van MathTime in L<sup>A</sup>T<sub>E</sub>X

The Future of T<sub>E</sub>X

E-T<sub>E</sub>X: Guidelines for Future T<sub>E</sub>X extensions

The L<sup>A</sup>T<sub>E</sub>X3 Project

PostScript en L<sup>A</sup>T<sub>E</sub>X, de komplementariteit in praktijk

Virtual Fonts: Great Fun, Not for Wizards Only

The Birth of a Virtual Font; The AdjKerns Utility

When T<sub>E</sub>X and METAFONT Work Together

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International quotations

Typesetting number sequences; FIFO and some more

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Manmac BLUes; or how to typeset a book via T<sub>E</sub>X  
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# Verslag (1993)

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[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Gerard van Nes ▶](#)  
[◀ Jos Winnink ▶](#)

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# **T<sub>E</sub>X kalender, Glossary & Mededelingen**

*geen samenvatting (no abstract)*

- [◀ calendar ▶](#)
- [◀ glossary](#)
- [◀ announcement ▶](#)

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# Van uw MAPS Editor; `5 jaar MAPS`

*geen samenvatting (no abstract)*

◀ MAPS ▶

◀ MAPS ▶

◀ NTG ▶

◀ Gerard van Nes ▶

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# Van de Voorzitter (1993/1)

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◀ chairman ▶

◀ Kees van der Laan ▶

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# Jaarverslag NTG 1992

In 1992 ging de NTG zijn 5e jaar van bestaan in. Twee NTG bijeenkomsten vonden plaats met vele goede lezingen, naast een succesvolle en goed bezette 5-daagse Advanced T<sub>E</sub>X cursus (low budget; met het cursusmateriaal als MAPS-Special). Er verschenen wederom een tweetal MAPS uitgaven (Minutes & APpendiceS). Medewerking werd tevens verleend aan het L<sup>A</sup>T<sub>E</sub>X3 projekt. En voor de rest is er het diverse door de leden gedaan waaronder een Public Domain MS-DOS set (instap en volledige versie), proeflezen van de MAPS, en de hulpverlening bij vragen op de T<sub>E</sub>X-NL discussielijst.

◀ report NTG ▶

◀ Gerard van Nes ▶

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# Financieel verslag NTG 1992

*geen samenvatting (no abstract)*

◀ financial report ▶

◀ Johannes Braams ▶

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# NTG's Listserver T<sub>E</sub>X-NL

Overzicht gebruikers listserver.

◀ listserver ▶  
◀ TEX-NL ▶

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p 20-22  19 kB

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# NTG's Fileserver T<sub>E</sub>X-NL

Overzicht inhoud NTG fileserver.

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# NTG's Bulletin Board FGBBS

Nieuw voor de Nederlandstalige T<sub>E</sub>X Gebruikersgroep: een T<sub>E</sub>X Bulletin Board speciaal voor diegenen die niet op het Internet zijn aangesloten. De naam: FGBBS. Op FGBBS is sinds kort een zo volledig en actueel mogelijke T<sub>E</sub>X, emT<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X en MusicT<sub>E</sub>X collectie beschikbaar voor alle bezitters van een modem. Het BBS is kosteloos toegankelijk voor iedereen en er zijn geen beperkingen aan de hoeveelheid bestanden die kunnen worden opgevraagd. Het systeem is aangesloten op een High Speed modem, vergeleken met de transmissiesnelheid die een directe Internet link biedt misschien niet geweldig, maar veel beter kan het niet over de gewone huis- tuin- en keukenPTTlijn. FGBBS is te bellen op 085-217041. Noot 31-jan-1997: nieuw nummer is 026-3217 041.

**BBS ▶**  
**bulletin board ▶**  
**FGBBS ▶**

**Frans Goddijn ▶**

**Maps 10 1993**

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# A Catalogue of T<sub>E</sub>X Macros

This is a catalogue of T<sub>E</sub>X macros. Its scope includes all macros that are available via anonymous ftp or mail-server or some similar mechanism. Commercial packages will be included only if a full Catalogue entry is supplied to me by the vendor.

- ◀ T<sub>E</sub>X ▶
- ◀ L<sup>A</sup>T<sub>E</sub>X ▶
- ◀ AMST<sub>E</sub>X ▶
- AMSL<sup>A</sup>T<sub>E</sub>X
- ◀ macros ▶
- index ▶

David Jones

Maps 10 1993

p 37-40  39 kB

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# A way to ensure the future of T<sub>E</sub>X: make its use easier on low-cost machines

The PC is the cheapest computer and the most widespread one in the scientific community. Faced with commercial scientific word-processors that are improving steadily in wrong directions, it is urgent to make the use of T<sub>E</sub>X easier on the PC, to ensure its future and avoid costly dead-ends to researchers. We have designed a program, AsT<sub>E</sub>X, that allows to create easily multi-author scientific documents in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X on PCs. It provides an on-line hypertext help and a multi-level assistance in typing L<sup>A</sup>T<sub>E</sub>X code. It allows to display and modify very easily the structure of a document, to archive and retrieve files related to it, to perform numerical and formal computations from the document and include automatically the results, to create L<sup>A</sup>T<sub>E</sub>X tables from worksheets or databases of formulas. It processes electronic mail and files sent by list servers for a better use of information and eases considerably the use of anonymous ftp and archie servers by local archiving of selected informations.

[back-end](#)  
[front-end ▶](#)  
[◀ scientific publishing](#)  
[AsT<sub>E</sub>X](#)  
[hyperT<sub>E</sub>X ▶](#)  
[tree](#)  
[link](#)  
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Michel Lavaud

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## 4T<sub>E</sub>X: a T<sub>E</sub>X Workbench for MS-DOS PC's

T<sub>E</sub>X and all its companions offer an enormous amount of possibilities. This is both an advantage and a disadvantage. The advantage is that almost anything is possible; the disadvantage is that you need detailed knowledge of all related programs to fully exploit the possibilities. The MS-DOS program 4T<sub>E</sub>X is an attempt to integrate all major T<sub>E</sub>X related programs in a shell that shields you from the tedious and frustrating job of setting environment variables and program parameters.

4T<sub>E</sub>X ►  
workbench  
◀ PC  
◀ MS-DOS ►  
freeware ►  
shareware

Wietse Dol ►  
Erik Frambach ►  
Maarten van der Vlerk

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# **T<sub>E</sub>X zonder omhaal; voor Atari ST en andere PC's (I)**

Deze cursus is bedoeld als eerste kennismaking met T<sub>E</sub>X op een eenvoudige PC. Een harde schijf is niet nodig. De cursus is gebaseerd op de PD-T<sub>E</sub>X van Christoph Strunk voor Atari ST. De installatie en de functie van de basis bestanden van T<sub>E</sub>X worden behandeld. Deze cursus is een gecorrigeerde herdruk van een serie artikelen in het blad ST uitgegeven door: Stichting ST. Daar zijn de in de tekst genoemde schijfjes te verkrijgen.

◀ Atari  
PD-T<sub>E</sub>X

Robert Best ▶

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## Gezeefd uit de T<sub>E</sub>X-NL discussielijst (1993/1)

Gezeefd uit de NTG T<sub>E</sub>X-NL discussielijst van 1992 en begin 1993: een zestiental vragen en antwoorden. Niet alleen voor de niet-netwerkers doch ook voor de T<sub>E</sub>X-NL subscribers die de berichten te snel langs hun heen zagen gaan. Keuze is gemaakt op persoonlijke titel, veel is dus ongetwijfeld missende. Echter de onderwerpen welke in deze bijdrage worden behandeld zijn zeker van algemeen belang.

◀ T<sub>E</sub>X-NL ▶  
discussionlist ▶

Philippe Vanoverbeke ▶

Maps 10 1993

p 69-72  37 kB

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# armT<sub>E</sub>X, een port van T<sub>E</sub>X voor de Archimedes

In dit artikeltje zal ik vertellen wat armT<sub>E</sub>X is en welke voor- en nadelen het systeem heeft. Het is geen uitvoerige opsomming van wat T<sub>E</sub>X kan, omdat de lezer geacht wordt daarvan (enigszins) op de hoogte te zijn. Ik zal me meer richten op de technische kanten van het werken met T<sub>E</sub>X op de Archimedes.

armT<sub>E</sub>X  
Acorn  
Archimedes  
port ►

Mark Sinke

Maps 10 1993

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# Het gebruik van MathTime in L<sup>A</sup>T<sub>E</sub>X

*geen samenvatting (no abstract)*

# The Future of T<sub>E</sub>X

T<sub>E</sub>X and the other members of Knuth's Computers & Typesetting family are arguably amongst the most successful examples of computer software in the world, having been ported to almost every conceivable operating system and attracting an allegiance that verges on the fanatical. Development work on this family has now ceased, and many members of the computer typesetting community are concerned that some action should be taken to ensure that the ideas and philosophy enshrined in T<sub>E</sub>X are not allowed simply to fade away. In this paper, we discuss some of the options available for perpetuating the T<sub>E</sub>X philosophy, and examine the strengths and weaknesses of the present T<sub>E</sub>X system. We conclude by postulating a development strategy for the future which will honour both the letter and the spirit of Knuth's wish that T<sub>E</sub>X, METAFONT and the Computer Modern typefaces remain his sole responsibility, and at the same time ensure that the philosophy and paradigms which are the strengths of T<sub>E</sub>X are not lost for ever by having artificial constraints placed on their evolution.

[extended T<sub>E</sub>X ▶](#)

[NTS ▶](#)

[New Typesetting System](#)

[Philip Taylor ▶](#)

[Maps 10 1993](#)

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# E- $\TeX$ : Guidelines for Future $\TeX$ extensions

With the announcement of  $\TeX$  3.0, Don Knuth acknowledged the need of the (ever growing)  $\TeX$  community for an even better system. But at the same time, he made it clear, that he will not get involved in any further enhancements that would change the  $\TeX$ book.  $\TeX$  started out originally as a system designed to typeset its author's own publications. In the meantime it serves hundreds of thousands of users. Now it is time, after ten years' experience, to step back and consider whether or not  $\TeX$  3.0 is an adequate answer to the typesetting requirements of the nineties. Output produced by  $\TeX$  has higher standards than output generated automatically by most other typesetting systems. Therefore, in this paper we will focus on the quality standards set by typographers for hand-typeset documents and ask to what extent they are achieved by  $\TeX$ . Limitations of  $\TeX$ 's algorithms are analyzed; and missing features as well as new concepts are outlined.

e- $\TeX$  ►  
guidelines  
extensions ►

◀ Frank Mittelbach ►

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# The L<sup>A</sup>T<sub>E</sub>X3 Project

This is a brief sketch of the L<sup>A</sup>T<sub>E</sub>X3 Project: background, history, principles, aims and functionality. The new version of L<sup>A</sup>T<sub>E</sub>X is, like the current version, a freely available system for automated processing of structured documents, formatting them to the highest typographic standards by use of the T<sub>E</sub>X typesetting software. Although its uses include a very large range of published documents, the importance of its unsurpassed ability to format mathematical formulas will not be forgotten in producing the new version. It is being produced by an international group of volunteers under the technical direction of Frank Mittelbach.

[◀ Frank Mittelbach ▶](#)[◀ Chris Rowley ▶](#)

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# PostScript en L<sup>A</sup>T<sub>E</sub>X, de complementariteit in praktijk

In dit artikel toon ik aan hoe PostScript en L<sup>A</sup>T<sub>E</sub>X een hoge graad van samenhang bezitten, die het mogelijk maakt om de voordelen van beide systemen te combineren om documenten elektronisch te publiceren. Allereerst vertel ik hoe, samen met de dvi-vertaler dvips en het stijlbestand epsfig, het invoegen van PostScript materiaal in een (La)T<sub>E</sub>X bestand heel eenvoudig wordt. Samen met de stijl rotating kan men bijna elk gewenst globaal grafisch effect verkrijgen zonder per-se een PostScript guru te zijn. In het tweede gedeelte van het artikel geef ik een kort overzicht van enkele op PostScript gebaseerde stijlbestanden, die bepaalde nuttige visuele effecten genereren, zoals grijze raampjes, kleurentypografie en het overdrukken van tekst. In het laatste gedeelte toon ik hoe eenvoudig het is om PostScript fonts te gebruiken in L<sup>A</sup>T<sub>E</sub>X met het nieuwe fontselectie systeem (NFSS) van Frank Mittelbach.

◀ PostScript ▶  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
epsfig  
NFSS ▶

Michel Goossens ▶

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# Virtual Fonts: Great Fun, Not for Wizards Only

This paper deals with virtual fonts. I would like to present some examples of their astonishing possibilities, taken from everyday typesetting (or almost).

◀ virtual fonts ▶

◀ Yannis Haralambous ▶

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p 114-119  122 kB

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# The Birth of a Virtual Font; The AdjKerns Utility

*geen samenvatting (no abstract)*

◀ virtual fonts ▶  
AdjKerns

◀ Yannis Haralambous ▶

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p 120-123  41 kB

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## When T<sub>E</sub>X and METAFONT Work Together

When T<sub>E</sub>X and METAFONT communicate to each other, they can do more together than they can alone. This presentation concentrates on two illustrations of this principal, and urges readers to come up with more. When T<sub>E</sub>X becomes sensitive to information passed to it from METAFONT, it is possible to prepare diagrams and figures using METAFONT and then to have T<sub>E</sub>X prepare labels which can be precisely positioned within the figure. When communication goes the other way, T<sub>E</sub>X and METAFONT can prepare special purpose fonts which (among other things) can be set along curved baselines. Illustrations of both techniques are presented.

◀ METAFONT ▶  
labelling figures  
figures with labels  
curvilinear

◀ Alan Hoenig ▶

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# Getallen

*geen samenvatting (no abstract)*

numbers ▶

◀ David van Leeuwen

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# International quotations

In this article some relatively simple macros are presented for people who need an occasional quotation mark that is different from the default quotation marks provided by T<sub>E</sub>X.

quotation marks

◀ Johannes Braams ▶

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# Typesetting number sequences; FIFO and some more

Typesetting sequences of numerical values, represented via symbolic names which get their values on the fly, is dealt with. The sorting of the sequence is done by a linear sorting algorithm, of complexity  $O(n^2)$ . Three or more consecutive numbers are typeset as a range. The objective was to encode typesetting sequences of numbers as simple, concise, general, compatible, modular, orthogonal, and ..., as possible in  $\text{T}_{\text{E}}\text{X}$ .

typesetting sequences  
citation lists  
lists of references  
linear sorting  
◀ FIFO ▶  
◀ plain  $\text{T}_{\text{E}}\text{X}$  ▶

◀ Kees van der Laan ▶

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## Sorting in BLUe

Macros for number and lexicographic sorting are supplied. Data can originate from the copy, from file, or generated automatically. Lexicographic sorting allows words with ligatures and diacritical marks. Applications treated are: sorting with respect to report generation with T<sub>E</sub>X as a database tool, sorting and compressing index.T<sub>E</sub>X, Knuth's index reminders file, and sorting control sequences separately. It is illustrated by various examples that a set can be sorted within T<sub>E</sub>X once the ordering of the set is defined and encoded in a comparison macro, in compliance with the parameter macro .

[◀ sorting ▶](#)

[◀ index preparation ▶](#)  
[database handling](#)  
[multiple sorting keys](#)

[◀ Kees van der Laan ▶](#)

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# Manmac BLUes; or how to typeset a book via T<sub>E</sub>X

The manmac macros are enumerated. A user's guide is provided, and the encodings are explained. As enhancements the writing of index reminders to the file index. T<sub>E</sub>X is elaborated upon, and how to incorporate AMS fonts and non-CM fonts is referred to. In the appendixes I provided the source of manmac and my personalized report template. With respect to the latter, I played with the idea of formatting the MAPS specials series in this way.

[computer-assisted typography](#) ▶

[manmac](#) ▶

[style](#) ▶

[customizing](#)

◀ [index preparation](#) ▶

◀ [plain T<sub>E</sub>X](#) ▶

◀ [fonts](#) ▶

◀ [Kees van der Laan](#) ▶

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## AMS BLUes; professionals at work

The significance of the American Mathematical Society for the  $\text{T}_\text{E}\text{X}$  community at large, and more general the leading role of the AMS in the area of professional computer-assisted typesetting, is praised. AMS- $\text{T}_\text{E}\text{X}$ , AMS- $\text{L}^{\text{A}}\text{T}_\text{E}\text{X}$ , their accompanying styles `amspt.sty`, respectively `amsart.sty`, as well as AMS fonts are discussed. AMS provides excellent user's and installation guides along with the software and fonts, all in the public domain. Despite the quality, an alternative approach — and in detail some alternative encodings — are provided. A publisher is strongly encouraged to take notice of the computer-assisted publishing activities of this pace-setting society. A new procedural idea with respect to specifying and formatting bibliographies, given a background file of all the references an author is familiar with, is proposed to suit the author and the publisher.

◀ computer-assisted typography ▶

◀ math ▶

bibliography ▶

markup ▶

◀  $\text{AMST}_\text{E}\text{X}$  ▶

math fonts ▶

cyrillics ▶

◀ plain  $\text{T}_\text{E}\text{X}$  ▶

◀ Kees van der Laan ▶

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# The 14th Annual T<sub>E</sub>X Users Group Meeting

`A World-Wide Window on T<sub>E</sub>X'

◀ TUG conference ▶  
Aston ▶

Sebastian Rahtz ▶

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Some notes about T<sub>E</sub>X and MS-Windows

A Future for T<sub>E</sub>X

Scientific Word,... een eerste indruk

The ease of including graphics in T<sub>E</sub>X documents using 4T<sub>E</sub>X

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T<sub>E</sub>X en braille... een illusie?

BLUe's bibliography — a generic approach

Matrix icons via L<sup>A</sup>T<sub>E</sub>X

An application of literate programming: creating a format for the bulletin of the ...

Teaching Typography — The Didot Project

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# Opening 11e NTG bijeenkomst 10 juni 1993

Verslag bijeenkomst 19 november 1992; Ingekomen stukken en Mededelingen; NTG-jaarvergadering; Rondvraag en Sluiting; Voordrachten: `Van font tot boek'; Volgende bijeenkomsten

[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Jos Winnink ▶](#)

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# Van de Voorzitter (1993/2)

*geen samenvatting (no abstract)*

◀ chairman ▶

◀ Kees van der Laan ▶

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# Van uw MAPS Editor (1993)

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◀ Gerard van Nes ▶

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# Concept begroting 1994

*geen samenvatting (no abstract)*

◀ budget ▶

◀ Johannes Braams ▶

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# NTG's Listserver T<sub>E</sub>X-NL

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# NTG's Fileserver T<sub>E</sub>X-NL

Overzicht inhoud NTG fileserver.

◀ fileserver

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Deze bijdrage beschrijft de sinds kort aanwezige beschikbaarheid van het T<sub>E</sub>X-NL archief op het internet. Zowel inzage is mogelijk in een subject-lijst als in de T<sub>E</sub>X-NL e-mails zelf.

[Jules van Weerden ▶](#)

**Maps 11 1993**

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# INFO-T<sub>E</sub>X

This article is a adaption of the message send to new users on the INFO-T<sub>E</sub>X distribution list. It describes some additional features of the LISTSERV (including some other mailing lists) and the additional FILESERV facility.

George Greenwade ►

Maps 11 1993

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## FGBBS zes maanden later

Henk de Haan en Frans Goddijn geven een uitleg over de werkzaamheden aan FGBBS. Nadat een directory met boeken op disk was gewist, werd de L<sup>A</sup>T<sub>E</sub>X-bibliotheek van FGBBS belangrijk uitgebreid. Er werd voor bezoekers een mogelijkheid geschapen om zowel in fidonet als Internet berichten te lezen en te schrijven. Ook een systeem voor offline reading werd aangelegd.

◀ FGBBS ▶

◀ bulletin board ▶

LittleComm ▶

Silver Express  
offline reading

Fidonet ▶

◀ internet ▶

◀ Frans Goddijn ▶

Henk de Haan ▶

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p 28-35  82 kB

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# Spoorboekje voor het inloggen op FGBBS met LittleComm

Zoals uit het kopje al blijkt, ga ik er hier vanuit dat je nog niet veel ervaring hebt met datacommunicatie, en dat je hebt gekozen voor het gebruik van LittleComm. LittleCommspoort je vlug, veilig en voordelig door het fascinerende land van de datacommunicatie. door hem gebruikte setup.

◀ FGBBS ▶  
◀ LittleComm ▶  
datacommunicatie

John Timmerman

Maps 11 1993

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# Greetings from TUG

*geen samenvatting (no abstract)*

**Christina Thiele** ▶

**Maps 11 1993**

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# NTG's Lustrum

NTG's youth in context is depicted, with a wink to the future.

◀ 4T<sub>E</sub>X ▶

◀ BBS ▶

cooperation NLUUG  
cooperation CyrTUG

◀ Kees van der Laan ▶

Maps 11 1993

p 43-51  122 kB

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# Ik ben een leek en vrij van pijnlijk weten

*geen samenvatting (no abstract)*

Huib van Krimpen

Maps 11 1993

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# TUG '93

This report contains the main issues as perceived by the author. The idea is to get the flavor and my view of the good items across, at the expense of completeness.

[L<sup>A</sup>T<sub>E</sub>X companion](#)

[L<sup>A</sup>T<sub>E</sub>X2.09](#) ▶

◀ [NTS](#) ▶

[outline fonts](#) ▶

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[CTAN](#) ▶

◀ [TUG conference](#) ▶

◀ [Aston](#)

◀ [Kees van der Laan](#) ▶

[Maps 11 1993](#)

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# TUG Board of Directors

The following are the loosely formulated issues as perceived by me. For more preciseness the reader is referred to the (approved) minutes.

◀ board-of-directors  
conference planning  
long-range planning  
public relations  
T<sub>E</sub>Xnical council  
exchange of TUGboat and bulletins of

◀ Kees van der Laan ▶

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# CyrTUG '93 and some more

The first open CyrTUG meeting with a few participants from abroad. A rich touristic program next to the usual issues: courses, and special attention to the national T<sub>E</sub>X problems.

- [CyrTUG ▶](#)
- [◀ conference ▶](#)
- [◀ cyrillics ▶](#)
- [MIR publishers](#)

[◀ Kees van der Laan ▶](#)

Maps 11 1993

[p 62-66](#)  [149 kB](#)

[view](#)

# What is T<sub>E</sub>X and METAFONT all about?

A survey of T<sub>E</sub>X, its flavours, and its twin sister METAFONT, within the context of Electronic Publishing, is given.

- ◀ AMST<sub>E</sub>X ▶
- ◀ electronic publishing ▶
- ◀ L<sup>A</sup>T<sub>E</sub>X ▶
- ◀ METAFONT ▶
- EPS ▶
- ◀ SGML ▶
- ◀ hyperT<sub>E</sub>X ▶

◀ Kees van der Laan ▶

Maps 11 1993

p 67-87  273 kB

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# Gebruik en Management van T<sub>E</sub>X in een Unix omgeving

Een T<sub>E</sub>X systeem op een Unix systeem omhelst tegenwoordig veel meer dan alleen het gelijknamige programma. Een goed geïntegreerde werkomgeving is mogelijk voor het produceren van een veelzijdig scala aan documenten. We bespreken de structuur van het T<sub>E</sub>X systeem, de gangbare hulpmiddelen en pakketten eromheen, zoals printer drivers, previewers, font beheer, grafische pakketten, bibliografiebeheer, index beheer, spelling controle e.d. Verder besteden we aandacht aan de beheers- en installatie aspecten ervan, zowel voor een stand-alone systeem als voor een client-server omgeving met eventueel heterogene systemen.

◀ Piet van Oostrum ▶

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# METAFONT for Beginners

This is not a tutorial on METAFONT. It is an attempt to describe how some of the pitfalls in running the program may, hopefully, be avoided.

Geoffrey Tobin

Maps 11 1993

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## **T<sub>E</sub>X zonder omhaal; voor Atari ST en andere PC's (II)**

Deze cursus is een vervolg op die in MAPS 93.1. Na een inleiding in het eerste hoofdstuk werden toen in de volgende hoofdstukken behandeld: Boxen, METAFONT en PostScript, Figuren en een vreemd alfabet, en tot slot INIT<sub>E</sub>X en INIMF. In deze bijdrage vervolgen we met hoofdstuk 6: het maken van een mooie brief, niet via `boxen' in T<sub>E</sub>X maar m.b.v. L<sup>A</sup>T<sub>E</sub>X. In hoofdstuk 7 bekijken we de `artikel-stijl', waarschijnlijk de meest gebruikte vorm van T<sub>E</sub>X. Dat leidt tot een vergelijking van T<sub>E</sub>X en L<sup>A</sup>T<sub>E</sub>X. En tot een alternatief: T<sub>E</sub>Xsis. Deze cursus is een herdruk van een serie artikelen in het blad ST uitgegeven door Stichting ST. Daar zijn de in de tekst genoemde schijfjes te verkrijgen.

◀ Robert Best ▶

Maps 11 1993

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## Frequently Asked Questions (II)

This article contains answers to some frequently asked questions on comp.text.tex. Please don't ask these questions again, as they've been answered many times before. Note that Guoying Chen (chen-guo@spunky.cs.nyu.edu) posts the monthly document Supplementary T<sub>E</sub>X Information to this newsgroup containing other information and software relevant to T<sub>E</sub>X users but beyond the scope of this article.

[◀ FAQ ▶](#)

[◀ frequently asked questions ▶](#)

[◀ comp.text.tex](#)

[◀ Bobby Bodenheimer](#)

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# Frequently Asked Questions about emT<sub>E</sub>X

This is an edited version of a document called emT<sub>E</sub>X-user Frequently Asked Questions. Eberhard Mattes sent this document on october 3rd, 1993 to the emT<sub>E</sub>X-user list. In the community of dutch T<sub>E</sub>X-users emT<sub>E</sub>X is widely spread. So questions to the list are probably also valuable for many emT<sub>E</sub>X-users without direct access to the list.

◀ FAQ

◀ frequently asked questions

Eberhard Mattes

Maps 11 1993

p 126-127  28 kB

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# Frequently Asked Questions about 4T<sub>E</sub>X (1)

In this note I have gathered some frequently asked questions and remarks. Most of the questions and answers were proposed in Dutch, so I tried to translate them into English. Blame me for (m)any bad English.

◀ Wietse Dol ▶

Maps 11 1993

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## Gezeefd uit de T<sub>E</sub>X-NL discussielijst (1993/2)

Hier volgt opnieuw een selectie uit de NTG T<sub>E</sub>X-NL discussielijst. Er werden enkele (korte) items uitgelicht uit de onderwerpen die aan bod gekomen zijn tussen juni en september 1993.

◀ Philippe Vanoverbeke ▶

Maps 11 1993

p 131-132  26 kB

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# The Comprehensive T<sub>E</sub>X Archive Network (CTAN)

This paper outlines the concept, development, and use of the Comprehensive T<sub>E</sub>X Archive Network (CTAN) — a network-accessible archive for files related to the T<sub>E</sub>X family of document processing. The CTAN is a coordinated effort among consenting well-known archive sites which provides quick identification and retrieval files in a consistent manner from hosts on different continents, thereby reducing overall network load and increasing speed of retrieval. Moreover, it provides users with a parallel archive structure between hosts with holdings which are generally synchronized to within 30 hours of one another. This is achieved by routinely mirroring one another's holdings, as well as mirroring other archives to maintain an up-to-date collection of files.

◀ CTAN ▶  
◀ archives ▶  
◀ FTP ▶

◀ George Greenwade

Maps 11 1993

p 133-140  86 kB

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# 4allT<sub>E</sub>X: NTG's T<sub>E</sub>X voor MS-DOS

Presentatie van het 4allT<sub>E</sub>X floppypakket. Opgezet als een T<sub>E</sub>X-installatie samengepakt op 1 HD floppy, uitbreidbaar met `hapklare' brokken in de vorm van extra floppies. Het geheel is gebaseerd op het emT<sub>E</sub>X pakket van Eberhard Mattes, en het 4T<sub>E</sub>X-pakket.

[◀ emT<sub>E</sub>X ▶](#)

[◀ 4T<sub>E</sub>X ▶](#)

[◀ distribution ▶](#)

[Phons Bloemen ▶](#)

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# Shells for T<sub>E</sub>X

This is a review of two `shell' programs for emT<sub>E</sub>X, the PC-T<sub>E</sub>X implementation of Eberhard Mattes. The `shells' provide an integrated development environment for making T<sub>E</sub>X documents. The two `shells' presented here are T<sub>E</sub>XSHELL by Jürgen Schlegelmilch, and 4T<sub>E</sub>X by Wietse Dol, Erik Frambach and Maarten van der Vlerk.

◀ 4T<sub>E</sub>X ▶

T<sub>E</sub>XShell

user interface ▶

◀ Phons Bloemen ▶

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## Some notes about T<sub>E</sub>X and MS-Windows

Many people know about T<sub>E</sub>X compilers and T<sub>E</sub>X utilities for the MS-DOS PC. However, in the world of WINDOWS there is a lack of knowledge. This note is intended to inform people who like to run T<sub>E</sub>X under WINDOWS and want all the good stuff that WINDOWS and T<sub>E</sub>X offers.

◀ Wietse Dol ▶

Maps 11 1993

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# A Future for T<sub>E</sub>X

The future of T<sub>E</sub>X is invisibility. The role of T<sub>E</sub>X should be similar to that of the microprocessor in a PC. The microprocessor is the heart of the system, but is completely invisible except for the sticker which says `intel inside.' T<sub>E</sub>X must be made invisible with appropriate front-ends. These front-ends should emphasize the manipulation of content over appearance and reverse the trend toward WYSIWYG (What You See Is What You Get) interfaces with their emphasis on manipulation of appearance. Content-oriented interfaces provide far greater user productivity than WYSIWYG systems, and T<sub>E</sub>X is the ideal basis for such systems.

Roger Hunter

Maps 11 1993

[p 163-166](#)  [48 kB](#)

## Scientific Word,... een eerste indruk

Eind 1992 kreeg ik een beta-versie van Scientific Word in de bus. Dhr. Kruger was toen zo vriendelijk om mij dit pakket toe te sturen ter evaluatie. Hierna volgt het rapport(je) met mijn bevindingen dat ik hem destijds toestuurde. Zonder twijfel is het product inmiddels verder geëvalueerd en zijn mijn bevindingen dan ook hoogstwaarschijnlijk niet echt meer `up to date`.

◀ Philippe Vanoverbeke ▶

Maps 11 1993

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# The ease of including graphics in T<sub>E</sub>X documents using 4T<sub>E</sub>X

In this paper we will show how 4T<sub>E</sub>X can be used to incorporate graphics in T<sub>E</sub>X documents. Using 4T<sub>E</sub>X it not only becomes easy to include graphics in T<sub>E</sub>X files, but also makes it possible to preview and print T<sub>E</sub>X documents (including graphics) on any machine and any printer. For inserting graphics in T<sub>E</sub>X documents, 4T<sub>E</sub>X uses the style file figures.sty, the shareware programs T<sub>E</sub>XCAD and GRAPHIC WORKSHOP, and the freeware programs: HP2XX, BM2FONT,PCLTOMSP, and GhostScript. All these programs are discussed and we also discuss how 4T<sub>E</sub>X uses the strength of these programs to incorporate graphics in T<sub>E</sub>X documents.

◀ Wietse Dol ▶

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# Customizing L<sup>A</sup>T<sub>E</sub>X lists

In this article, which is part of the third chapter of our forthcoming book ‘A L<sup>A</sup>T<sub>E</sub>X Companion’, we take a look at L<sup>A</sup>T<sub>E</sub>X’s list environments. First the various parameters and commands controlling the standard L<sup>A</sup>T<sub>E</sub>X lists, `enumerate`, `itemize`, and `anddescription`, are discussed. Then the general list environment is introduced and we tell you how to build custom layouts by varying the values of the parameters controlling this environment.

◀ Michel Goossens ▶  
◀ Frank Mittelbach ▶  
Alexander Samarin

Maps 11 1993

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# An update on the babel system

This article describes the changes that have been made to the babel system, since the article describing the system appeared in TUGboat Volume 12, number 2. This article announces the release of a new version of the babel system.

◀ Johannes Braams ▶

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# Herziene afbreekpatronen voor het Nederlands

Dutch hyphenation patterns for T<sub>E</sub>X based upon 'Groene boekje 1990'

[hyphenation](#) ▶  
[new dutch](#) ▶

◀ [Piet Tutelaers](#) ▶

[Maps 11 1993](#)

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# Typesetting paragraphs of a specified shape

Editor's note: This description of an unusual macro file, shapepar.sty, is taken from the documentation; the full style file can be found in CTAN archives.

[Donald Arseneau](#) ►

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# **T<sub>E</sub>X from to**

*geen samenvatting (no abstract)*

**Marek Ryćko**  
**Bogusław Jackowski** ▶

**Maps 11 1993**

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# L<sup>A</sup>T<sub>E</sub>X at WKAP in Dordrecht

In this article, I will explain a couple of things about the use of L<sup>A</sup>T<sub>E</sub>X at Wolters Kluwer Academic Publishers (WKAP), a scientific publisher in Dordrecht. WKAP came into existence in the '80s after the merger between D. Reidel Publishing Company, Martinus Nijhoff and Dr W. Junk. Each year, WKAP publishes approximately 200 scientific journals and about 500 books (in reality, 200 scientific journal titles translates into some 1200 journal issues).

**Rob de Jeu**

**Maps 11 1993**

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# **T<sub>E</sub>X en braille... een illusie?**

Ongetwijfeld zal bovenstaande titel menig NTG-lid de wenkbrauwen doen fronsen...: Typografie, laat staan T<sub>E</sub>X, is nu wel het laatste wat wij in verband brengen met onze blinde medemens. In de volgende paragrafen zal ik pogen te verklaren waarom ik T<sub>E</sub>X als een mogelijk hulpmiddel zie voor de produktie van (eenvoudige) documenten in braille.

◀ **Philippe Vanoverbeke**

**Maps 11 1993**

**p 201-204**  **43 kB**

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# BLUe's bibliography — a generic approach

A new and flexible approach to maintaining and using a bibliography database within (All)T<sub>E</sub>X is provided.

[literature database](#) ▶

◀ [bibliography](#) ▶

◀ [plain T<sub>E</sub>X](#) ▶

◀ [Kees van der Laan](#) ▶

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# Matrix icons via L<sup>A</sup>T<sub>E</sub>X

Some macros for typesetting matrix icons are provided, based upon L<sup>A</sup>T<sub>E</sub>X's picture environment, which don't need coordinate awareness: just the (dimensionless) sizes of the `boxes.'

matrix icons

◀ L<sup>A</sup>T<sub>E</sub>X ▶

picture environment ▶

◀ Kees van der Laan ▶

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# An application of literate programming: creating a format for the bulletin of the Polish TUG

*geen samenvatting (no abstract)*

Włodek Bzyl ▶  
Tomasz Przechlewski

Maps 11 1993

p 213-215  37 kB

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# Teaching Typography — The Didot Project

This paper briefly outlines the Didot project on teaching digital typography. A key issue, namely the nature of the interaction between computer and design specialists, is discussed and related to the type of material that could be included in a curriculum for digital typography. Teaching methods and material that have been developed in this area are outlined and an evaluation of one of these methods is described.

digital typography  
curriculum development  
letterforms  
project report

Mary Dyson ►

Maps 11 1993

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# Announcement L<sup>A</sup>T<sub>E</sub>X2e — A New Version of L<sup>A</sup>T<sub>E</sub>X

L<sup>A</sup>T<sub>E</sub>X2e is a new, standard version of L<sup>A</sup>T<sub>E</sub>X-prepared and supported by the L<sup>A</sup>T<sub>E</sub>X3 Project Team.

◀ Chris Rowley ▶  
◀ Frank Mittelbach ▶

Maps 11 1993

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## Review of recent L<sup>A</sup>T<sub>E</sub>X books

Reviews of `A Guide to L<sup>A</sup>T<sub>E</sub>X, Document Preparation for Beginners and Advanced Users' (Helmut Kopka and Patrick Daly), `L<sup>A</sup>T<sub>E</sub>X Line By Line, Tips and Techniques for Document Processing' (Antoni Diller).

[◀ book review ▶](#)

[◀ Nico Poppelier ▶](#)

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# The Technical Council and Special Interest Working Groups

*geen samenvatting (no abstract)*

Michael Ferguson

Maps 11 1993

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# Call for papers: TEP'94 & TUG'94

call for papers for TEP'94 and for TUG'94.

◀ call for papers  
TEP

◀ TUG conference ▶  
Darmstadt  
Santa Barbara ▶

◀ Mary Dyson

Maps 11 1993

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Van uw MAPS Editor (1994/1)

Jaarverslag NTG 1993

Financieel verslag NTG 1993

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The making of the 4allT<sub>E</sub>X CD-ROM

FGBBS: de jonge jarige

4T<sub>E</sub>X 3.20 a technical note

Frequently Asked Questions about 4T<sub>E</sub>X (2)

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L<sup>A</sup>T<sub>E</sub>X2e, an overview

Standard Document Classes and Packages

Upgrading old styles

A brief guide to T<sub>E</sub>X assistants

Building virtual fonts with `fontinst`

T<sub>E</sub>X to Hypertext Conversion with L<sup>A</sup>T<sub>E</sub>X2HTML

Colour slides with L<sup>A</sup>T<sub>E</sub>X and `seminar.sty`

Making T<sub>E</sub>X work

Review of `Making T<sub>E</sub>X work`

Typesetting Greek texts by T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X

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Opening 12e NTG bijeenkomst 18 november 1993; Verslag NTG bijeenkomst van 10 juni 1993; Ingekomen stukken en Mededelingen; Begroting 1994; Wat verder ter tafel komt; L<sup>A</sup>T<sub>E</sub>X3; MAPS; Verslag bijeenkomsten; Verslag werkgroepen; Rondvraag; Voordrachten: `(La)T<sub>E</sub>X gebruikersomgeving`; Volgende bijeenkomsten; Sluiting

◀ report ▶  
◀ members meeting ▶

◀ Jos Winnink ▶

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# Van de Voorzitter (1994/1)

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◀ chairman ▶

◀ Kees van der Laan ▶

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# Van uw MAPS Editor (1994/1)

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◀ Gerard van Nes ▶

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# Jaarverslag NTG 1993

*geen samenvatting (no abstract)*

◀ report NTG ▶

◀ Gerard van Nes ▶

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# Financieel verslag NTG 1993

*geen samenvatting (no abstract)*

◀ financial report ▶

◀ Johannes Braams ▶

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# Use of T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X within the NTG community

At the 1993 spring meeting of the Dutch T<sub>E</sub>X User Group (NTG) the NTG Board was asked to find out in what way T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X is used by its members. Main motivation for this question was to find out how important funding of the L<sup>A</sup>T<sub>E</sub>X-3 project for the members of NTG is. Therefore it was necessary to have insight in the use of T<sub>E</sub>X and related products/macro packages. It was decided that the board should held a inquiry among the members and if possible present the results at the fall 1993 meeting. This article describes the results of the survey.

◀ T<sub>E</sub>X ▶  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
◀ L<sup>A</sup>T<sub>E</sub>X3 ▶

◀ Jos Winnink ▶

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# The making of the 4allT<sub>E</sub>X CD-ROM

In about one half year the world's first turn-key T<sub>E</sub>X system on CD-ROM was produced. It contains the ms-dos T<sub>E</sub>X workbench 4T<sub>E</sub>X version 3.20 in perhaps the largest form ever, plus many T<sub>E</sub>X sources that are valuable to any T<sub>E</sub>X user. In this article we present a look behind the scenes, so you get some insight in the course of events that mark the production of NTG's first CD-ROM.

CDROM ▶  
4allT<sub>E</sub>X ▶  
◀ 4T<sub>E</sub>X ▶  
ISO9660

◀ Erik Frambach ▶

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## **FGBBS: de jonge jarige**

Stonden de eerste zes maanden van het FGBBS in het teken van onafgebroken uitbreiding van file- en berichten-gebieden en het telkens vergroten van de beoogde gebruikersvriendelijkheid, het afgelopen halfjaar hebben we met succes gestreefd naar stabilisatie van het systeem, overigens zonder de actualiteit uit het oog te verliezen.

[◀ FGBBS ▶](#)

[◀ bulletin board ▶](#)

[◀ Fidonet ▶](#)

[◀ internet ▶](#)

[◀ 4allT<sub>E</sub>X ▶](#)

[◀ LittleComm ▶](#)

[◀ CDROM ▶](#)

[◀ Frans Goddijn ▶](#)

[◀ Henk de Haan ▶](#)

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## 4T<sub>E</sub>X 3.20 a technical note

With the release of the CD-ROM there will also be a new release of the 4T<sub>E</sub>X workbench (version 3.20). In this note I will try and explain what will be different from the earlier versions (e.g. installed with 4allT<sub>E</sub>X).

◀ Wietse Dol ▶

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# Frequently Asked Questions about 4T<sub>E</sub>X (2)

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◀ Wietse Dol ▶

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## **T<sub>E</sub>X zonder omhaal; voor Atari ST en andere PC's (III)**

T<sub>E</sub>XDraw wordt getest. Veel Atari ST's worden gebruikt om elektronisch muziek te maken, op te nemen (MIDI) en af te drukken in muziekschrift. Dat afdrukken kan ook met T<sub>E</sub>X. Uitbreidingen van T<sub>E</sub>X zoals L<sup>A</sup>T<sub>E</sub>X, T<sub>E</sub>Xsis en MusicT<sub>E</sub>X maken het zetwerk makkelijker en mooier, maar T<sub>E</sub>X heeft ook meer werkruimte nodig. We maken een BigT<sub>E</sub>X en een trefwoordenregister voor een lange tekst. Deze cursus is een herdruk van een serie artikelen uit het blad ST, uitgegeven door Stichting ST. Daar zijn de in de tekst genoemde schijfjes te verkrijgen.

T<sub>E</sub>XDraw  
MIDIT<sub>E</sub>X  
MusicT<sub>E</sub>X ▶  
BigT<sub>E</sub>X  
◀ MakeIndex

◀ Robert Best ▶

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## T<sub>E</sub>X zonder omhaal; voor Atari ST en andere PC's (IV)

Deze keer gaat het over een recent uitgekomen macro-pakket, dat L<sup>A</sup>T<sub>E</sub>X2e heet. Dit pakket vormt een krachtige set macro's, waarmee je zonder al te veel van T<sub>E</sub>X af te weten goed uitziende teksten kan produceren. Deze cursus is een herdruk van een serie artikelen uit het blad ST, uitgegeven door Stichting ST. Daar zijn de in de tekst genoemde schijfjes te verkrijgen.

Mark van Veen

Maps 12 1994

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# L<sup>A</sup>T<sub>E</sub>X2e, an overview

This article gives an overview of the new or extended user commands available with L<sup>A</sup>T<sub>E</sub>X2e, the new L<sup>A</sup>T<sub>E</sub>X release, compared to the previous version L<sup>A</sup>T<sub>E</sub>X 2.09. After introducing the newpreamble commands, the extensions for defining new commands and environments, and handling length and boxes are discussed. The new font selection commands are explained, both for text and math, and it is shown how to easily use different font families. A list of supported class and package files is given and new possibilities for controlling page contents and floats are discussed. Most of this material is described in much greater detail in 'The L<sup>A</sup>T<sub>E</sub>X Companion' and in the second edition of the L<sup>A</sup>T<sub>E</sub>X Reference Manual.

◀ Michel Goossens ▶

Maps 12 1994

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# Standard Document Classes and Packages

This article describes the Document Classes and Packages that are available or will be available shortly for use with L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>. The number of available Packages and Classes will obviously change once L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub> is the 'official' L<sup>A</sup>T<sub>E</sub>X.

◀ Johannes Braams ▶

Maps 12 1994

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# Upgrading old styles

This article deals with the things you have to look for when upgrading and old .sty file for L<sup>A</sup>T<sub>E</sub>X2e , turning it into either a Document Class or a Package.

◀ Johannes Braams ▶

Maps 12 1994

p 50-52  51 kB

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# A brief guide to T<sub>E</sub>X assistants

This paper offers a 'back to basics' overview of the various types of software which are of assistance to the T<sub>E</sub>Xnical writer on a personal computer (this includes Unix machines, but excludes, for instance, VMS or VM/CMS systems). It is based on a presentation to the October UK-TUG meeting, and I am grateful to the other speakers, and our chairman Allan Reese, for insights and news. I would also like to refer readers to the Dutch T<sub>E</sub>X Group's journal MAPS, whose issue 93.2 contains a variety of useful papers on T<sub>E</sub>X interfaces, two of which are reproduced in Baskerville Volume 3.2 (December 1993).

◀ Sebastian Rahtz ▶

Maps 12 1994

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# Building virtual fonts with `fontinst`

This document gives a brief overview of the fontinst package. The fontinst package is used to build virtual fonts (VFs) which allow PostScript fonts to be used as drop-in replacements for the Computer Modern fonts in T<sub>E</sub>X. Below, I'll describe VFs briefly, and describe how they can be built using the fontinst package.

Alan Jeffrey

Maps 12 1994

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# **T<sub>E</sub>X to Hypertext Conversion with L<sup>A</sup>T<sub>E</sub>X2HTML**

L<sup>A</sup>T<sub>E</sub>X2HTML is a conversion tool that allows existing documents written in L<sup>A</sup>T<sub>E</sub>X to become part of a global multimedia system. This paper presents some of the reasons for using such a system and describes the basic conversion process.

**Nikos Drakos** ▶

**Maps 12 1994**

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# Colour slides with L<sup>A</sup>T<sub>E</sub>X and `seminar.sty`

*geen samenvatting (no abstract)*

◀ Michel Goossens ▶

◀ Sebastian Rahtz ▶

Maps 12 1994

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# Making T<sub>E</sub>X work

This article contains the Table of Contents, Preface, and Chapter 4 of `Making T<sub>E</sub>X Work' by Norman Walsh, published by O'Reilly and Associates (ISBN 1-56592-051-1). No effort has been made to preserve the `look and feel' of the book in this text, and some simplifications have been performed (particularly with respect to special formatting issues and package names).

[◀ book](#)

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[◀ book review ▶](#)

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[Norman Walsh ▶](#)

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# Review of `Making T<sub>E</sub>X work`

This is a review of the book `Making T<sub>E</sub>X Work` by Norman Walsch

◀ book review ▶

◀ review ▶

Paul Thompson

Maps 12 1994

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# Typesetting Greek texts by T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X

This paper contains some information on whatever exists for typesetting by T<sub>E</sub>X documents which contain entirely or in part Greek text. Those who would like to typeset Greek texts not by plain T<sub>E</sub>X, but rather with L<sup>A</sup>T<sub>E</sub>X, may find this short article quite useful as well.

[◀ T<sub>E</sub>X ▶](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

[Greek](#)

[◀ fonts ▶](#)

[packages ▶](#)

[◀ freeware](#)

[commercial](#)

**Dimitrios Filippou**

**Maps 12 1994**

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# Springer authors do it with T<sub>E</sub>X

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Angelika Binding

Maps 12 1994

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# **T<sub>E</sub>X-verwerking bij PRAGMA**

PRAGMA uses T<sub>E</sub>X for producing educational texts. To facilitate development of educational materials, a dedicated macro package has been developed as well as a full featured T<sub>E</sub>X(t) editing environment.

use of T<sub>E</sub>X  
practice

Hans Hagen ►

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# Computerondersteund tekstgebruik

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◀ Hans Hagen ▶

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# Data publishing

This paper demonstrates how commercial software and L<sup>A</sup>T<sub>E</sub>X can work together in data publishing.

- ◀ databases ▶
- spreadsheet
- ◀ tables ▶

Siep Kroonenberg ▶

Maps 12 1994

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# Table design

A critical look at table typesetting as practiced by L<sup>A</sup>T<sub>E</sub>X users, with before-and-after examples.

tables design  
rules ▶  
whitespace  
◀ fonts ▶  
alignment ▶  
justification

◀ Siep Kroonenberg ▶

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# BLUe's Transparencies

T<sub>E</sub>X macros for formatting transparencies are provided. The macros have been designed with reusability of earlier formatted document parts in mind, with a wink to maintenance of the transparency set.

[foils](#)  
[formatting ▶](#)  
[generic style ▶](#)  
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[transparencies ▶](#)

◀ [Kees van der Laan](#) ▶

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# BLUe's Bibliography

In addition to the earlier method of maintaining a database in T<sub>E</sub>X, it is shown how to load the entries selectively, without modifying the entries of the database.

## BLUe's Verbatim

A suite of macros for verbatim mode is provided, which are simple, concise and flexible. The functionalities are: verbatim text, and file verbatim inclusion, with 'options' for numbering and enabling of metacode. Options can be supplied via the toks variable, and globally via. The place within context can be handled via the defs and. The macros are context independent and can be used at the inner level with AnyT<sub>E</sub>X.

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[◀ formatting ▶](#)  
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[◀ Kees van der Laan ▶](#)

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# TUGboat BLUes

The significance of TUGboat for the T<sub>E</sub>X community at large is praised. (l)tugboat.sty, tugboat.cmn and the TUG authors' guide are discussed, next to their siblings (l)tugproc.sty and the option euroT<sub>E</sub>X.sty. Article templates for the various `styles as is' are provided. Independent and in addition to these I included customing files. Also included is my concrete proposal for a tug.ppt style-for preprints of tugboat.sty, and tugproc.sty, in the spirit of ams.ppt. Furthermore, a new and simple alternative to the handling of options for T<sub>E</sub>X is proposed, based on the toks variable , analogous to . This is applied to handling verbatims, with as a result a compact suite of verbatim macros to be used with AnyT<sub>E</sub>X.

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[◀ computer-assisted typography](#)

[◀ EuroT<sub>E</sub>X ▶](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

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## Book review: `Practical SGML' & `Math into T<sub>E</sub>X'

Two new books are discussed: `Practical SGML' from Eric Herwijnen, and `math into T<sub>E</sub>X', a simple introduction to AMS-L<sup>A</sup>T<sub>E</sub>X' from George Grätzer.

[◀ book review ▶](#)

[◀ SGML ▶](#)

[◀ Nico Poppelier](#)

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# The T<sub>E</sub>X Hierarchy

For the UNIX operating system, a list of characterizations exists describing what constitutes a novice, a user, a guru, ... Here we give a similar list for users of T<sub>E</sub>X. The reader is kindly asked to take this purely in a humorous vein.

◀ Donald Arseneau  
Raymond Chen  
◀ Victor Eijkhout ▶

Maps 12 1994

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# Obtaining T<sub>E</sub>X

The UKT<sub>E</sub>X Archive (Internet `Daughter' archive) on ftp.T<sub>E</sub>X.ac.uk is part of a collaborating network of archives organised by the T<sub>E</sub>X Users Group known as CTAN (Comprehensive T<sub>E</sub>X Archive Network). The three main archives now follow the same structure and have identical files (ftp.T<sub>E</sub>X.ac.uk, ftp.shsu.edu and ftp.uni-stuttgart.de).

◀ CTAN ▶  
◀ FTP  
◀ archives

◀ Sebastian Rahtz ▶

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# L<sup>A</sup>T<sub>E</sub>X2e — Second Test Release

The second test release of L<sup>A</sup>T<sub>E</sub>X is now available. Notes about this release are at the end of this announcement. The first release revealed a few serious bugs and several other areas which need attention. Many people reported that documents and style files had been processed by the new system without serious problems; this includes one very important test — the original text of ‘The L<sup>A</sup>T<sub>E</sub>X Manual’! We can also report that this release has been tested with all the files in the L<sup>A</sup>T<sub>E</sub>X 2.09 test suite and produces only predictable differences in the output.

Leslie Lamport  
L<sup>A</sup>T<sub>E</sub>X3 project team ►

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# Literate Programming Frequently Asked Questions

This document is for new and experienced users of literate programming tools. The purpose is to explain the concept of literate programming and to provide a resource for locating files of interest to literate programmers and those interested in literate programming.

David Thomas

Maps 12 1994

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# Report BachoT<sub>E</sub>X'94

Education was about: The contributions to the conference were about: Phil Taylor had the stage when talking in full colour about book design. Kees van der Laan talked about Manmac, and his BLUe system.

- Bachot<sub>E</sub>X ▶
- trip report
- ◀ music ▶
- book design
- BLUe introduction

◀ Kees van der Laan ▶

Maps 12 1994

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# Report $\text{N}\text{T}_{\text{E}}\text{X}'94$

The meeting of the Nordic countries was attended. Few people did show up because of the distance. Issues at stake were:

◀ Kees van der Laan ▶

Maps 12 1994

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# Announcement TUG '94

Announcement of TUG '94 conference.

◀ TUG conference ▶  
◀ Santa Barbara ▶

# Announcement EuroT<sub>E</sub>X'94

Announcement of EuroT<sub>E</sub>X'94 conference.

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
◀ announcement ▶  
Gdansk ▶



# Announcement 4allT<sub>E</sub>X CD-ROM

Announcement of NTG's 4allT<sub>E</sub>X cd-rom

- ◀ announcement ▶
  - ◀ 4T<sub>E</sub>X ▶
  - ◀ 4allT<sub>E</sub>X ▶
  - ◀ CDROM ▶

- ◀ Erik Frambach ▶
- ◀ Wietse Dol ▶

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◀ 4T<sub>E</sub>X ▶

◀ Erik Frambach ▶  
◀ Wietse Dol ▶

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# Verslag (1994/2)

Opening 13e NTG bijeenkomst 9 juni 1994; Verslag NTG bijeenkomst van 18 november 1993; Ingekomen stukken en Mededelingen; NTG ledenvergadering; Verslag werkgroepen; Rondvraag en Sluiting; Voordrachten: `T<sub>E</sub>X en Educatie'; Volgende bijeenkomsten; Sluiting

◀ report ▶  
◀ members meeting ▶

◀ Frans Goddijn ▶

Maps 13 1994

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# Het weten waard

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# Van de Voorzitter (1994/2)

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◀ chairman ▶

◀ Johannes Braams ▶

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# Van uw MAPS Editor (1994/2)

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◀ Gerard van Nes ▶

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# NTG's Listserver T<sub>E</sub>X-NL

Overzicht gebruikers listserver.

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◀ TEX-NL ▶

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p 10-11  24 kB

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Overzicht gebruikers listserver.

# Verslag TUG '94

*geen samenvatting (no abstract)*

◀ conference ▶  
◀ TUG conference ▶  
◀ Santa Barbara ▶

◀ Johannes Braams ▶

Maps 13 1994

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# Goossens at TUG '94

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◀ TUG conference ▶  
◀ Santa Barbara

◀ Michel Goossens ▶

Maps 13 1994

p 18-22  72 kB

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# Report CyrTUG '94

A magnificent trip to get to know the CyrTUG and its chapters better. Not only Moscow, but also Kazan and St-Petersburg. The driving force is hosted at MIR. The cooperation of the JINR at Dubna and CyrTUG is bound to become beneficial. As usual there were courses around the conference. Issues discussed during the conference:

[◀ CyrTUG ▶](#)  
[Dubna ▶](#)  
[◀ PostScript ▶](#)  
[◀ L<sup>A</sup>T<sub>E</sub>X2e ▶](#)

[◀ Kees van der Laan ▶](#)

Maps 13 1994

[p 23-26](#)  [338 kB](#)

# Goossens at EuroT<sub>E</sub>X'94 in Gdansk

Report of EuroT<sub>E</sub>X'94 conference in Gdansk.

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
◀ Gdansk

◀ Michel Goossens ▶

Maps 13 1994

p 27-30  59 kB

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## **FGBBS: de kastelein**

De komst van de 4allT<sub>E</sub>X CD-ROMs heeft de afgelopen maanden voor veel nieuws gezorgd, ook op FGBBS. Het NTG schonk FGBBS een CD-ROM drive, waarop de 4allT<sub>E</sub>X werd geplaatst. Inmiddels is de tweede editie 4allT<sub>E</sub>X gearriveerd, en deze is in zijn geheel beschikbaar via het bulletin board systeem.

◀ FGBBS ▶

◀ bulletin board ▶

◀ Fidonet

FrontDoor

◀ internet ▶

◀ 4allT<sub>E</sub>X ▶

◀ CDROM ▶

◀ Frans Goddijn ▶

◀ Henk de Haan ▶

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# General information 4allT<sub>E</sub>X CD-ROM

The most important items concerning the 4allT<sub>E</sub>X CD-ROM.

- ◀ 4T<sub>E</sub>X ▶
- ◀ 4allT<sub>E</sub>X ▶
- ◀ CDRom ▶

# 4allT<sub>E</sub>X, the ultimate T<sub>E</sub>X-resource

In het Nederlandse maandblad 'Personal Computer Magazine' verscheen in het oktober nummer de hier beschreven recensie van L<sup>A</sup>T<sub>E</sub>X/T<sub>E</sub>X en de onlangs verschenen 4allT<sub>E</sub>X CD-ROM.

◀ 4allT<sub>E</sub>X ▶

◀ review ▶

Hans Paijmans

Maps 13 1994

p 37-38  28 kB

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# The NTG 4allT<sub>E</sub>X CD-ROM on the Macintosh

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Hans Renkema ►

Maps 13 1994

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## Makefont: a new 4T<sub>E</sub>X utility

The second release of the 4allT<sub>E</sub>X CD-ROM comes with 4T<sub>E</sub>X 3.25. This version of 4T<sub>E</sub>X has a new utility that is not described in the manual. In this note I will explain the use of this extra feature: Makefont. With the makefont utility it becomes easy to include whatever PostScript font you need into your (La)T<sub>E</sub>X documents. If you have a complete font family of PostScript fonts you can also decide to develop your own style file and use this as your default font family (instead of the CMR family).

◀ Wietse Dol ▶

Maps 13 1994

p 40-42  38 kB

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## **T<sub>E</sub>X zonder omhaal; voor Atari ST en andere PC's (V)**

T<sub>E</sub>X kan niet alleen instructies uitvoeren maar ook vragen. Het resultaat hangt dan af van de antwoorden van de gebruiker: interactie. Als voorbeeld maken we een brief waarbij de gebruiker (die niets van T<sub>E</sub>X hoeft te weten) nog de afzender en de geadresseerde kan aangeven. En ... T<sub>E</sub>X doet niet moeilijk over Poolse accenten. Deze cursus is een herdruk van een serie artikelen uit het blad ST, uitgegeven door Stichting ST. Daar zijn de in de tekst genoemde schijfjes te verkrijgen.

◀ **Robert Best**

**Maps 13 1994**

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## **T<sub>E</sub>X zonder omhaal; voor Atari ST en andere PC's (VI)**

METAFONT is een programma waarmee het mogelijk is om via wiskundig beschreven curves en oppervlakken lettertypes of andere symbolen te ontwerpen. Deze kunnen gebruikt worden in het zetprogramma T<sub>E</sub>X. Dit artikel gaat niet in op het werkelijke ontwerp-proces en zelfs nauwelijks op de faciliteiten die METAFONT hiertoe biedt, maar op de vraag hoe METAFONT functioneert in de Atari-omgeving, gebaseerd op het Public Domain pakket van Christoph Strunk. Kortom: hoe kun je aan het werk met METAFONT? Deze cursus is een herdruk van een serie artikelen uit het blad ST, uitgegeven door Stichting ST. Daar zijn de in de tekst genoemde schijfjes te verkrijgen.

**Rens Swart**

**Maps 13 1994**

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**Frank Langbein**

**Maps 13 1994**

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## BLUe blood in math mode?

Some time ago I started work on a book (a collection of letters written by one of the most renowned Dutch publishers, Johan Polak) and at the time I was typesetting it in the Palatino font. Then I heard that the creator of Palatino, the world famous Hermann Zapf, has worked with Donald Knuth. What did they do, I wondered? Is T<sub>E</sub>X more famous than we think it is? Did the fingers of both geniuses touch in the creation of our Math fonts? The replies to my queries in TYPO-L were promising. You decide.

Palatino  
Johan Polak  
Donald Knuth  
Hermann Zapf ▶  
◀ math fonts ▶  
TYPO-L  
typography ▶

◀ Frans Goddijn ▶

Maps 13 1994

p 52-54  44 kB

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# CijferBLUes: Verborgen schoonheid in L<sup>A</sup>T<sub>E</sub>X 2.09

Een toevallige samenloop van omstandigheden brengt een even verbluffend mooie als oeroude optie van T<sub>E</sub>X aan het licht, die tot dusverre door bijna iedereen over het hoofd is gezien. Prachtige `hangende cijfers' zijn in de standaard Computer Modern fonts al sinds jaar en dag beschikbaar, als *math italic*.

[oldstyle ▶](#)  
[mediaeval ▶](#)  
[digits ▶](#)  
[◀ numbers ▶](#)

[◀ Frans Goddijn ▶](#)

Maps 13 1994

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# The new L<sup>A</sup>T<sub>E</sub>X: L<sup>A</sup>T<sub>E</sub>X2e

The L<sup>A</sup>T<sub>E</sub>X3 project team is pleased to announce the release of the new standard version of L<sup>A</sup>T<sub>E</sub>X. It is upwardly compatible with existing L<sup>A</sup>T<sub>E</sub>X documents, and contains new features including the long-awaited graphics extensions.

# Document Classes and Packages for L<sup>A</sup>T<sub>E</sub>X2e

In the first section of this article I describe what document classes and packages are and how they relate to L<sup>A</sup>T<sub>E</sub>X 2.09's style files. Then the process of upgrading existing style files for use with L<sup>A</sup>T<sub>E</sub>X2e is described. Finally I give an overview of the standard packages and document classes that are part of the distribution of L<sup>A</sup>T<sub>E</sub>X2e.

◀ Johannes Braams ▶

Maps 13 1994

p 58-64  101 kB

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# How to make your own document style in L<sup>A</sup>T<sub>E</sub>X2e

The new L<sup>A</sup>T<sub>E</sub>X2e makes it very easy to create new document classes. This paper describes how to use the new features of L<sup>A</sup>T<sub>E</sub>X2e. The class `lecnotes' — a document class suitable for lecture notes — is used as an example.

◀ L<sup>A</sup>T<sub>E</sub>X2e ▶

document class design

document class implementation

lecture notes

Dag Langmyhr ▶

Maps 13 1994

p 65-72  164 kB

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# A Guide to use Macros and Style Files in L<sup>A</sup>T<sub>E</sub>X

People may not need to read this article any more if L<sup>A</sup>T<sub>E</sub>X2e has been completed. But since this is somehow transient period from L<sup>A</sup>T<sub>E</sub>X v.2.09 to a new one, this kind of documents may be useful for those who are making documents every day and night. This is a concise guide for these people. Authors are hoping this may become a help to many users of L<sup>A</sup>T<sub>E</sub>X.

◀ L<sup>A</sup>T<sub>E</sub>X2.09  
optional style files

Tetsuo Iwakumay  
Tetsuo Furukawa

Maps 13 1994

p 73-110  798 kB

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# Een proefschrift zonder knippen en plakken

L<sup>A</sup>T<sub>E</sub>X wordt voor veel verschillende soorten drukwerk gebruikt. In dit artikel wordt het vormgeven van een proefschrift met behulp van L<sup>A</sup>T<sub>E</sub>X2e beschreven. Hierbij spelen de persoonlijke voorkeuren van de auteur een belangrijke rol, zonder dat daarbij de krachtige mogelijkheden van L<sup>A</sup>T<sub>E</sub>X onbenut blijven.

◀ **Henk de Haan** ▶

**Maps 13 1994**

**p 111-114**  **199 kB**

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# **T<sub>E</sub>X: buitengewoon goed tekstverwerken**

In bepaalde kringen is het tekstverwerkingsprogramma (of beter: het zetsysteem) T<sub>E</sub>X bijzonder populair. Het programma is vrij verkrijgbaar bij Bulletin Boards en bestaat ook in een versie voor de Mac. Hans Renkema is een enthousiaste T<sub>E</sub>X Macintosh gebruiker. In dit artikel geeft hij een beschrijving van T<sub>E</sub>X.

◀ Hans Renkema ▶

Maps 13 1994

p 115-117  88 kB

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# **T<sub>E</sub>X en SGML bij Elsevier Science**

Dit artikel beschrijft enkele aspecten van Elsevier Science's electronic publishing programma. Alle tijdschriften in de Physics en Mathematics uitgeefprogramma's accepteren L<sup>A</sup>T<sub>E</sub>X files van auteurs en gebruiken die voor publicatie. De dvi files gebruiken PostScript fonts die gekombineerd zijn in in-huis ontwikkelde virtuele fonts. In andere wetenschappelijke disciplines worden auteurs files van een breed scala aan tekstverwerkings programma's geaccepteerd en gebruikt voor publicatie. In zijn toekomstige electronic publishing strategie kent Elsevier Science een centrale rol toe aan SGML. Alle binnenkomende artikelen zullen uniform gestructureerd worden met gebruik van SGML. Alle benodigde publikatietypen zullen uit deze ene bron worden gegenereerd. T<sub>E</sub>X is een uitstekende formatter voor sommige van deze publikatietypen.

◀ Elsevier

◀ electronic publishing ▶

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ SGML ▶

Simon Pepping ▶

Maps 13 1994

p 118-122  66 kB

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# Real life book production – lessons learned from ‘The L<sup>A</sup>T<sub>E</sub>X Companion’

Some aspects of the production of The L<sup>A</sup>T<sub>E</sub>X Companion are described.

◀ Michel Goossens ▶  
◀ Frank Mittelbach ▶

Maps 13 1994

p 123-126  48 kB

# Headers and footers in L<sup>A</sup>T<sub>E</sub>X

Standard L<sup>A</sup>T<sub>E</sub>X offers the page styles empty, plain, headings and myheadings. For simple page layouts these suffice, but they are rather rigid. A more flexible page layout may be obtained by using the FANCYHEADINGS package. This article describes how to create advanced page headers and footers in L<sup>A</sup>T<sub>E</sub>X documents by using this package. Some of the techniques described are also applicable with other page styles.

◀ Piet van Oostrum ▶

Maps 13 1994

p 127-135  96 kB

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# METAFONT als matrixprinter

Een verslagje van een stoeipartij met METAFONT, waarbij METAFONT wordt `misbruikt' als matrixprinter. Door alleen de vorm van de `printnaalden' te definiëren, en een beperkt aantal plaatsen waar ze neer mogen komen, kun je heel snel een font in elkaar zetten.

◀ METAFONT ▶

◀ Phons Bloemen ▶

Maps 13 1994

p 136-138  114 kB

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# PostScript fonts in T<sub>E</sub>X

A guide through the jungle of installing and using PostScript and other types of fonts in T<sub>E</sub>X. The installation of the font is discussed, and it is shown how to use the fonts in an automatic font generation scheme.

**PostScript fonts ▶**  
**automated font generation**  
**font installation ▶**

◀ **Phons Bloemen**

**Maps 13 1994**

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# (Al)DraT<sub>E</sub>X, a package for doing (portable) graphics in T<sub>E</sub>X

Eitan Gurari's graphics package for (La)T<sub>E</sub>X is discussed.

graphics ▶  
◀ T<sub>E</sub>X ▶  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
DraT<sub>E</sub>X

◀ Jos Winnink

Maps 13 1994

p 149-152  148 kB

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## Plaatjes in een tekst

In deze artikel wordt eerst aandacht besteed aan de (beperkte) mogelijkheden die L<sup>A</sup>T<sub>E</sub>X zelf biedt voor het maken van plaatjes. Soms zijn die voldoende, en dan is het wel zo gemakkelijk om die te gebruiken. Daarna wordt de rol van PostScript besproken bij het gebruik van plaatjes, al of niet in combinatie met L<sup>A</sup>T<sub>E</sub>X. Vervolgens wordt een vijftal tekenprogramma's besproken waarmee interactief ingewikkeldere figuren gemaakt kunnen worden. Tenslotte wordt aangegeven hoe `bitmaps' (letterlijke afbeeldingen van het scherm van een computer) als plaatje behandeld kunnen worden. Dit laatste is vooral van belang bij het schrijven van handleidingen voor programma's.

Jeroen Fokke  
◀ Piet van Oostrum ▶

Maps 13 1994

p 153-166  495 kB

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# PPCH<sub>T</sub>E<sub>X</sub>: Chemische Structuurformules in T<sub>E</sub>X

In dit artikel wordt een macropakket beschreven waarmee chemische (structuur)formules kunnen worden gezet. Dit pakket is te gebruiken bovenop Plain T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X en andere pakketten. Het pakket is in eerste instantie ontwikkeld bovenop ConT<sub>E</sub>Xt. This article is about a package for typesetting chemical formulas. The package has a multi-lingual interface. This means that all all commands and keywords can be toggled to English. Some day, this article and the manual will be translated in English too.

ConT<sub>E</sub>Xt chemics  
PPCH<sub>T</sub>E<sub>X</sub> ▶  
chemical formulas ▶  
structure formulas ▶

◀ Hans Hagen ▶  
Ton Otten ▶

Maps 13 1994

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# Een meertalige interface naar T<sub>E</sub>X

Macropakketten voor T<sub>E</sub>X zijn vrijwel altijd Engelstalig. In dit artikel wordt een meertalige interface beschreven, zoals die is toegepast in PPCHT<sub>E</sub>X, een pakket dat kan worden gebruikt om chemische structuurformules te zetten.

[interface](#) ▶

◀ [user interface](#) ▶

[multilingual interface](#)

[ConT<sub>E</sub>Xt interface](#)

◀ [Hans Hagen](#) ▶

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# Sub- en Superscripts in Chemische Formules

In dit (korte) artikel wordt een mechanisme beschreven om subscript op een lijn te krijgen. Dit is nodig omdat de positie van een subscript mede bepaald wordt door de hoogte en diepte van een eventueel aanwezig superscript.

[superscript alignment](#)  
[subscript alignment](#)  
[◀ P<sub>P</sub>CHT<sub>E</sub>X ▶](#)  
[font dimensions](#)

[◀ Hans Hagen ▶](#)

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# MIDI2T<sub>E</sub>X, een MusicT<sub>E</sub>X tool

*geen samenvatting (no abstract)*

Hans Kuykens

Maps 13 1994

**p 184-188**  **81 kB**

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# BLUe's Format

An independent format — blue.fmt — is proposed to assist authors with creating, formatting, exchanging and maintaining compuscripts during the lifephases of publications. The format builds upon manmac.T<sub>E</sub>X and the functionalities provided by tugboat.sty. Experience gained by publishers has been picked up too, because of my in-depth study of the activities of AMS with respect to T<sub>E</sub>X formatting. More recent work of Knuth and co-authors has been borrowed from gkpmac.T<sub>E</sub>X. The design goal was to provide a format which suits me, which is easy to customize — to the world outside, and in general to changing circumstances — and which complies with the adages of software engineering. Another aim of blue.fmt is that it can be used throughout the lifecycle of publications on modest equipment to format articles, transparencies and you name it. The hoped for lifety is a lifetime. En-passant the design process is accounted for. New is the handling of a database of references — with cross-referencing — or pictures all in one-pass job.

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# BLUe's Graphs

Graphics facilities for plain T<sub>E</sub>X have been collected from The T<sub>E</sub>Xbook, manmac and gkpmac, as part of blue.fmt. The gkpmac picture macros are handy and provide a subset of L<sup>A</sup>T<sub>E</sub>X's functionality. A database of pictures is proposed. No interaction with METAFONT (or ) nor the incorporation of encapsulated PostScript have been treated.

[circle ▶](#)

[curve](#)

[◀ databases ▶](#)

[◀ disks](#)

[◀ graphics ▶](#)

[◀ format ▶](#)

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[pictures ▶](#)

[◀ plain T<sub>E</sub>X ▶](#)

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[selective loading ▶](#)

[◀ software engineering ▶](#)

[splines](#)

[vectors](#)

[◀ Kees van der Laan ▶](#)

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# BLUe's Cross-referencing

A one-pass semi-automatic cross-referencing scheme for math is proposed, which requires some hand adjustments when forward references are used. The method is just a little beyond manmac's approach, to assist BLUe.

[compatible extension](#) ▶  
[cross-referencing](#)  
[graph referencing](#)  
[math referencing](#)  
◀ [optional parameters](#) ▶  
    ◀ [plain T<sub>E</sub>X](#) ▶  
    [symbolic names](#)  
[tables referencing](#)

◀ [Kees van der Laan](#) ▶

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## Paradigms: Plain's -s extended

The design and coding of items for BLUe's format is explained. The treated items — bulleted, (automatically) numbered or alphabetized — are a compatible extension to plain's . Pitfalls in use are mentioned.

**BLUe format** ▶  
items  
◀ **plain T<sub>E</sub>X** ▶

◀ **Kees van der Laan** ▶

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# Paradigms: Headache?

The design of headings for BLUe's format is explained, starting from the basic and general two-part macros up to the full-blown blue((sub)sub)head versions.

◀ **BLUe format** ▶  
headings  
◀ **plain T<sub>E</sub>X** ▶

◀ **Kees van der Laan** ▶

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A World Wide Web Interface to CTAN  
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The HyperL<sup>A</sup>T<sub>E</sub>X Markup Language  
HTML → L<sup>A</sup>T<sub>E</sub>X → PDF, of de intrede van T<sub>E</sub>X in het hypertext tijdperk  
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T<sub>E</sub>Xtures: zo goed als gezegd wordt?  
Scientific Word / Workplace 2.0.1; Whats new?  
Scientific WorkPlace; een eerste indruk  
Kleurgebruik in TABLE  
T<sub>E</sub>X-verwerking in kleur  
Een zwart-wit kijk op kleur  
Genezen van WPosis — nu heb ik chronische T<sub>E</sub>Xitis...  
HH Gets Carried Away; hhmuf, hhflxbox and hhcount  
The Scenario — in Three Versions; hhparmrk does it  
Sorting in T<sub>E</sub>X's Mouth  
One by one the guests arrive  
BLUe's Format Databases  
BLUe's Index  
BLUe's Letters  
BLUe's Reports  
Paradigms: Two-part macros  
Paradigms: Parameterization I — options  
BLUe's Typesetting of PASCAL  
TUG'95  
Reisverslag BachoT<sub>E</sub>X'95  
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# Verslag (1995/1)

Opening 14e NTG bijeenkomst 17 november 1994; Verslag NTG bijeenkomst van 9 juni 1994; Ingekomen stukken en mededelingen; Begroting 1995; Wat verder ter tafel komt; Communicatie; Rondvraag en Sluiting; Voordrachten; Volgende bijeenkomsten

[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Frans Goddijn ▶](#)

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# Het weten waard

*geen samenvatting (no abstract)*

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# Van de Voorzitter (1995/1)

*geen samenvatting (no abstract)*

◀ chairman ▶

◀ Johannes Braams ▶

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# Van uw MAPS Editor (1995)

*geen samenvatting (no abstract)*

◀ Gerard van Nes ▶

Maps 14 1995

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# Concept begroting 1995

*geen samenvatting (no abstract)*

◀ budget ▶

◀ Wietse Dol ▶

Maps 14 1995

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# Financieel verslag NTG 1994

*geen samenvatting (no abstract)*

◀ financial report ▶

◀ Wietse Dol ▶

Maps 14 1995

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# Jaarverslag NTG 1994

*geen samenvatting (no abstract)*

◀ report NTG ▶

◀ Gerard van Nes ▶

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# From the TUG President

*geen samenvatting (no abstract)*

◀ Christina Thiele ▶

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p 18  21 kB

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# Op FGBBS vaart alles wel

FGBBS kreeg weer de nodige uitbreidingen, waarvan een sneller modem het meest merkbaar is.

◀ FGBBS ▶

◀ bulletin board ▶

statistics

◀ 4allT<sub>E</sub>X ▶

◀ OS/2

◀ Frans Goddijn ▶

Maps 14 1995

p 19-20  20 kB

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# **T<sub>E</sub>X-NL discussielijst**

Overzicht gebruikers listserver.

◀ listserver

◀ TEX-NL ▶

◀ Jules van Weerden ▶

Maps 14 1995

p 21  15 kB

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# De NTG op het World Wide Web

Het internet is een van de meest snel groeiende elektronische media. Dit is mede te danken aan het zogenaamde World Wide Web (WWW). In dit artikel wordt ingegaan op de functie van het Word Wide Web, het gebruikte tekstformaat (HTML) en de mogelijkheden die het voor de NTG kan hebben. Er wordt ingegaan op de huidige (experimentele) service en er worden een aantal mogelijke nieuwe toepassingen vermeld.

◀ NTG ▶

◀ internet ▶

WWW ▶

◀ WWW ▶

◀ Henk de Haan

Maps 14 1995

p 22-23  70 kB

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# General information 3rd edition of the 4allT<sub>E</sub>X CD-ROM

*geen samenvatting (no abstract)*

Maps 14 1995

**p 24-26**  **38 kB**

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# Some Announcements from Usenet

*geen samenvatting (no abstract)*

◀ Gerard van Nes ▶

Maps 14 1995

p 27-29  47 kB

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# Announcement from the L<sup>A</sup>T<sub>E</sub>X3 Project Team

We are pleased to present the final report on `Math Font Encoding' produced by Justin Ziegler for the L<sup>A</sup>T<sub>E</sub>X3 project.

◀ Frank Mittelbach ▶

Maps 14 1995

p 30  12 kB

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# Diplomatic edition of a medieval Icelandic manuscript

*geen samenvatting (no abstract)*

Andrea de Leeuw van Weenen

Maps 14 1995

**p 31-34**  **278 kB**

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# Het digitaal produceren van een proefschrift

Het digitaal produceren van een proefschrift beschrijft hoe een proefschrift, in L<sup>A</sup>T<sub>E</sub>X gemaakt, als PostScript-file via het modem naar de drukker gestuurd kan worden om vervolgens op een DocuTech systeem (600 dpi) gedrukt te worden.

thesis ►  
DocuTech ►  
◀ 4allT<sub>E</sub>X ►

Ed Boets

Maps 14 1995

p 35-36  27 kB

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# METAFONT's mode\_def in action

In order to obtain maximum output quality when using METAFONT for rendering bitmapped fonts you need to specify the characteristics of the intended output device. This is done by defining a mode\_def in which several variables are assigned. The meaning and effect of these variables are discussed in a case study of two types of laser printers.

◀ METAFONT ▶  
mode\_def  
bitmapped fonts

◀ Erik Frambach ▶

Maps 14 1995

p 37-39  57 kB

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# Combining T<sub>E</sub>X and PostScript

PostScript is becoming a de facto standard as a device independent page description language. By embedding PostScript elements in T<sub>E</sub>X we can extend the use of T<sub>E</sub>X to new areas of application. In the first part of the paper we give some general information about PostScript and its features. In the rest of the paper we present some of our own experiences and solutions in combining T<sub>E</sub>X and PostScript:

◀ PostScript ▶  
inclusion of graphics  
dictionaries  
◀ error handling

Vladimir Batagelj

Maps 14 1995

p 40-46  132 kB

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# Portable Documents: Why Use SGML?

In this article we present a few ideas as a framework for the discussion of portable documents. We address a number of questions:

David Barron

Maps 14 1995

p 47-48  24 kB

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# Formatting SGML Manuscripts

This article is about typography, SGML, T<sub>E</sub>X, and SIMSIM, which is a new T<sub>E</sub>X macro package. Close by are copies of several of the OHP transparencies. They were typeset directly from an SGML document instance using SIMSIM.

[Jonathan Fine ▶](#)

Maps 14 1995

[p 49-52](#)  [90 kB](#)

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# SGML and L<sup>A</sup>T<sub>E</sub>X

SGML — Standard Generalized Markup Language — is a formal language to describe structured text documents. It should be introduced here by comparison to T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.

Horst Szillat

Maps 14 1995

p 53-55  38 kB

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# HTML & T<sub>E</sub>X: Making them sweat

HTML is often criticised for its presentation-oriented conception. But it does contain sufficient structural information for many everyday purposes and this has led to its development into a more stable form. Future platforms for the World Wide Web may support other applications of SGML, and the present climate of popularity of the Web is a suitable opportunity for consolidation of the more stable features. T<sub>E</sub>X is pre-eminently stable and provides an ideal companion for the process of translating HTML into print.

Peter Flynn

Maps 14 1995

p 56-60  53 kB

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# The Inside Story of Life at Wiley with SGML, L<sup>A</sup>T<sub>E</sub>X and Acrobat

*geen samenvatting (no abstract)*

Geeti Granger

Maps 14 1995

**p 61-63**  **41 kB**

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# Theory into Practice: working with SGML, PDF and L<sup>A</sup>T<sub>E</sub>X at Elsevier Science

*geen samenvatting (no abstract)*

Martin Key

Maps 14 1995

p 64-66  30 kB

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# L<sup>A</sup>T<sub>E</sub>X2HTML Update'95

A new version of L<sup>A</sup>T<sub>E</sub>X2HTML (version 95.1) is available since January 1995. This article outlines some of the main changes.

◀ Nikos Drakos

Maps 14 1995

p 67-68  33 kB

# **L<sup>A</sup>T<sub>E</sub>X2HTML ervaringen; Van Handleiding in L<sup>A</sup>T<sub>E</sub>X tot Hulp Module op Internet**

Welkom op de digitale snelweg! Steeds meer informatie wordt er aangeboden op het Internet, en met het uitgroeien van het Internet groeit de onoverzichtelijkheid. In dit artikel wordt een toepassing van L<sup>A</sup>T<sub>E</sub>X2HTML beschreven waarbij een L<sup>A</sup>T<sub>E</sub>X document wordt omgezet naar een reeks goed gestructueerde pagina's op het World-Wide Web. Deze toepassing betreft een document die een handleiding is voor Internet-gebruikers (voornamelijk voor medewerkers van Laboratoriumvoor Analytische Chemie, KUN, Nijmegen). Er worden wat voordelen en voorbeelden van het L<sup>A</sup>T<sub>E</sub>X2HTML gebruik gegeven en hoe je het programma kunt aanpassen naar je eigen wensen. Bekijk de L<sup>A</sup>T<sub>E</sub>X documenten ook eens op deze moderne manier en blader eens met de muis door je tekst, getransformeerd tot een digitaal wonder op je scherm. Oftewel: L<sup>A</sup>T<sub>E</sub>X2HTML2!

**Arno Kemperman**

**Maps 14 1995**

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# Electronic Publication and Data Distribution for the Five College Astronomy Department

The Star Formation Group at FCAD has begun to make use of the World Wide Web to explore the advantages of hypermedia presentations for the distribution of preprints, Ph. D. theses and observatory publications. As a byproduct of this work, a method for displaying subscripts and superscripts has been developed. This set of bitmaps is publically available.

◀ electronic publishing ▶  
    ◀ thesis  
    ◀ WWW ▶  
    ◀ preprints ▶  
data distribution

Karen Strom

Maps 14 1995

p 74-76  74 kB

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# A World Wide Web Interface to CTAN

There are a lot of different software packages, style files, fonts, etc. in the CTAN archives. Finding the things you need in a timely fashion can be difficult, as I found out while writing Making T<sub>E</sub>X Work. The ability to combine descriptions of packages with the directory listings from CTAN could help alleviate some of the difficulty. HTML, the document structuring language of the World Wide Web, provides one possible means of combining different views of the archive into a single vision. The CTAN-Web project is my attempt to provide this vision.

◀ **Norman Walsh**

**Maps 14 1995**

**p 77-82**  **204 kB**

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# An Introduction to HyperT<sub>E</sub>X

The popularity of the World-Wide-Web and the HTML hypertext language for electronic distribution of information over the internet has thus far been difficult to extend to scientific documents, in part because T<sub>E</sub>X, the word processing language of choice for technical and mathematical documents, does not have the hypertext capabilities necessary for full integration into the WWW. HyperT<sub>E</sub>X consists of a collection of extensions of T<sub>E</sub>X to handle both internal and external (local or networked) hypertext, thus allowing the huge body of T<sub>E</sub>X-based documents to be more fully integrated with the WWW. This introduction was originally prepared for the American Physical Society e-print meeting at Los Alamos, New Mexico, Oct. 15, 1994.

◀ hyperT<sub>E</sub>X ▶  
hyperlink  
xh<sub>d</sub>vi  
HTML ▶  
◀special ▶

Arthur Smith

Maps 14 1995

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# The HyperL<sup>A</sup>T<sub>E</sub>X Markup Language

HyperL<sup>A</sup>T<sub>E</sub>X is a little package that allows you to use L<sup>A</sup>T<sub>E</sub>X to prepare documents in HTML (the hypertext markup language used by the World Wide Web), and, at the same time, to produce a fine printed document from your input. You can use all of L<sup>A</sup>T<sub>E</sub>X's power for the printed output, and you don't have to learn a new language for creating hypertext documents.

- ◀ L<sup>A</sup>T<sub>E</sub>X ▶
- ◀ HTML ▶
- ◀ conversion ▶
- ◀ L<sup>A</sup>T<sub>E</sub>X ▶
- ◀ WWW ▶
- emacs lisp

Otfried Schwarzkopf

Maps 14 1995

p 87-98  144 kB

# HTML → L<sup>A</sup>T<sub>E</sub>X → PDF, of de intrede van T<sub>E</sub>X in het hypertext tijdperk

Wij beschrijven hier het produktieproces van elektronische hyper-documenten met behulp van L<sup>A</sup>T<sub>E</sub>X en Adobe Acrobat. Na een algemene beschrijving van de voor- en nadelen van L<sup>A</sup>T<sub>E</sub>X terzake geven we een omschrijving van elke stap, alsook van zekere te nemen voorzorgen met als doel efficiënte Acrobat documenten te bekomen. De lezer zal in dit artikel een beschrijving vinden van de software tools DVIPS repere en rectirt, en eveneens de basisprincipes van het formaat PDF. Vertaald door Philippe Vanoverbeke.

Acrobat ►  
DVIHPS  
◀ PDF ▶  
repere  
rectirt

◀ Yannis Haralambous ▶

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# Adobe Acrobat 2.0; Beyond the bounds op paper

*geen samenvatting (no abstract)*

Wiegert Tierie ▶

Maps 14 1995

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# Conversion from WORD/WordPerfect to L<sup>A</sup>T<sub>E</sub>X

Production of a large document with many contributors may require conversion of all submitted manuscripts into the same format, for example L<sup>A</sup>T<sub>E</sub>X. A large proportion of manuscripts are submitted in the formats of WORD and WordPerfect, two very popular word processing programs. I will discuss different approaches converting such files to L<sup>A</sup>T<sub>E</sub>X format. First of all the differences between the word processors MS-WORD and WordPerfect versus the document preparation system L<sup>A</sup>T<sub>E</sub>X will be explained, and problems encountered during text conversion into L<sup>A</sup>T<sub>E</sub>X will be discussed. The conversion can be done either by means of a separate program (external conversion) or using macros, style sheets and a printer driver from within the word processors (internal conversion). Advantages and disadvantages of both methods for different types of text elements such as plain text, lists, tables and mathematical formulas will be discussed. This is followed by an overview of the conversion programs currently available.

◀ conversion ▶  
MS-WORD  
WinWord  
◀ WordPerfect  
RTF

Marion Neubauer

Maps 14 1995

p 120-124  79 kB

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# TeXtures: zo goed als gezegd wordt?

*geen samenvatting (no abstract)*

◀ Hans Renkema

Maps 14 1995

p 125-126  31 kB

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## Scientific Word / Workplace 2.0.1; Whats new?

Scientific Word version 1.x from TCI Software Research has gotten improvements and an offspring. The improvements are not only better support for different L<sup>A</sup>T<sub>E</sub>X styles and dialects but also more user conveniences and better stability. The offspring is Scientific Workplace, a similar Windows software package under Windows 3.1. But besides all the Scientific Word functions it also has a built-in Maple Version V interface and many Maple symbolic calculation functions. Not to forget that version 2.0.1. works fine under OS/2 Warp with all its speed and data exchange advantages.

◀ Scientific Word  
◀ WYSIWYG ▶  
◀ Windows ▶  
◀ OS2WIN

◀ Jan Krugers

Maps 14 1995

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## Scientific WorkPlace; een eerste indruk

Het pakket SCIENTIFIC WORKPLACE. versie 2.0(SWP), vroeger Scientific Word, is een uitgebreide versie van een `WhatYouSeeIsWhatYouGet' tekstverwerker gebaseerd op L<sup>A</sup>T<sub>E</sub>X2e en werkend onder Microsoft Windows. De uitbreiding bestaat uit een deel van een `Computer Algebra' pakket, de kernel van Maple. Verder is er een programma om toetsen samen te stellen, uit databestanden met opgaven. Deze voorlopige test van versie 2.0 is uitgevoerd op een IBM compatibele PC, met een 486 processor en 8MBintern geheugen, door een persoon met L<sup>A</sup>T<sub>E</sub>X 2.09 en Maple ervaring, maar zonder kennis van MSWindows (`waar is dat nou voor nodig...') of SCIENTIFIC WORKPLACE. Voor het installeren en testen zijn twee volle dagen gebruikt. Dit verslag geeft vanzelfsprekend slechts een eerste indruk van het pakket.

Cees Fortuin ►

Maps 14 1995

p 129-130  42 kB

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# Kleurgebruik in TABLE

Dit artikel beschrijft enkele macro's die het mogelijk maken binnen TABLE cellen van een tabel van een achtergrondkleur of raster te voorzien. We beperken ons tot een wat technische beschrijving en gaan voorbij aan de esthetische kant van de zaak.

`\TaBIE`  
color tables  
tables color  
ConT<sub>E</sub>Xt tables

◀ Hans Hagen ▶

Maps 14 1995

p 131-136  64 kB

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# T<sub>E</sub>X-verwerking in kleur

Vooraf beginnende T<sub>E</sub>X-gebruikers ervaren de mix van commando's en tekst als verwarrend. Mede om die reden hebben wij zo'n vier jaar geleden onze tekstverwerker afgestemd op het gebruik van T<sub>E</sub>X, door T<sub>E</sub>X-commando's op een wat afwijkende manier weer te geven. Het blijkt dat, afgezien van aanvullende mogelijkheden om de syntax te controleren, het aantal fouten in commando's drastisch afneemt.

T<sub>E</sub>X visualizing ►  
editing colored T<sub>E</sub>X  
color T<sub>E</sub>X visualization

◀ Hans Hagen ▶

Maps 14 1995

p 137-138  23 kB

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# Een zwart-wit kijk op kleur

Wie tegenwoordig op een zwart-wit tv-toestel een uitzending volgt zal zich vaak tevreden moeten stellen met een weinig contrastrijk beeld. Na de introductie van de kleuren-tv is nog lang rekening gehouden met zwart-witkijkers. De keus van kleuren in decors werd mede afgestemd op de weergave in zwart-wit. Dit is niet verwonderlijk, omdat de zwart-witkijkers een ruime meerderheid vormden. Op papier lijkt zich een dergelijke ontwikkeling af te spelen. Voor kleurenprinters geschikte illustraties, kunnen op zwart-wit printers een matig beeld opleveren. Het is dan ook de vraag hoe we aan de `wensen' van de overgrote meerderheid van zwart-wit printers tegemoet kunnen komen.

color gray conversion  
color gray printing  
color optimizing use  
ConT<sub>E</sub>Xt color palets

◀ Hans Hagen ▶  
Johan Jonker

Maps 14 1995

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## Genezen van WPosis — nu heb ik chronische T<sub>E</sub>Xitis...

Bij het vormgeven van een voorstel voor reglementen overschreed een verstokte WordPerfect-gebruiker de grenzen van zijn geliefde tekstverwerker. Frans Goddijn hielp hem aan de T<sub>E</sub>X. In dit artikel geeft een nieuwe T<sub>E</sub>X-gebruiker een globale indruk van zijn laatste ervaringen met WordPerfect en zijn eerste ervaringen met T<sub>E</sub>X. Hij doet dit aan de hand van het werk aan een document waarin het mogelijk moest zijn om vele typografische middelen onafhankelijk van elkaar te gebruiken om verschillende soorten passages aan te duiden. Dit bleek in T<sub>E</sub>X goed te realiseren, zij het met veel inspanning, en het resultaat was zeer bevredigend. Toen het eerste document eenmaal gereed was, bleek het bovendien daarna zeer eenvoudig om soortgelijke documenten te zetten.

Herman Haverkort ►

Maps 14 1995

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# HH Gets Carried Away; hhmuf, hhflxbox and hhcount

This article presents hhmuf's multinotes: special cheery footnotes to be used in special situations, including so-called 'forbidden environments'. Then it presents hhflxbox's self-scaling frames: encircling macros are provided but you can define enwhatevering macros yourself by means of the macros provided by hhflxbox. Finally hhcount is presented: macros to handle simple and composite counters in a fancy way.

[◀ circle](#)  
[counter](#)  
[dice](#)  
[footnote](#)  
[forbidden environment](#)  
[frame](#)  
[◀ index ▶](#)

[◀ Herman Haverkort ▶](#)

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## The Scenario — in Three Versions; hhparmrk does it

During work towards a flexible document as a continuous report on a wide variety of contacts for the Meridian Arts Ensemble in New York, Frans Goddijn felt the need to tag and mark certain paragraphs for specific groups of readers. Herman Haverkort wrote a package for L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>, hhparmrk, which facilitates this by offering the possibility to set various signs next to paragraphs. This article presents hhparmrk, gives examples of its use and a short manual. For the hackers among us some of the T<sub>E</sub>Xnical tricks involved behind the scenes are glanced at.

◀ paragraph  
mark

◀ distribution ▶  
select

◀ Herman Haverkort ▶  
◀ Frans Goddijn ▶

Maps 14 1995

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# Sorting in T<sub>E</sub>X's Mouth

T<sub>E</sub>X's macro processor, the so-called mouth, can be used to perform very complex tasks. Because this part of T<sub>E</sub>X's programming language is as powerful as a Turing machine, it is possible to implement algorithms using only T<sub>E</sub>X's mouth. I will show how sorting algorithms can be implemented in a straight-forward and very elegant and under-standable way using only macros and macro expansion T<sub>E</sub>Xniques.

◀ expansion ▶  
◀ sorting  
algorithms

Bernd Raichle

Maps 14 1995

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# One by one the guests arrive

A plea is made for writing macros in plain T<sub>E</sub>X sufficiently documented to be used with all flavours of T<sub>E</sub>X.

[philosophy](#)  
[◀ plain T<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

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# BLUe's Format Databases

The backgrounds, use, and coding of BLUe's Format Databases have been discussed. Two kinds of databases have been introduced class I (data, such as addresses, references, and script parts for example pictures), and class II (macros, such as variant formats and tools). At the heart lies the selective loading T<sub>E</sub>Xnique, which allows that only what is needed will be loaded on-the-fly. The data structures and operations on them have been treated. The use within the ConT<sub>E</sub>Xt of typesetting scripts have been elucidated via examples. At the end the coding is explained.

- active list separators ▶
- addresses ▶
- comment blocks ▶
- ◀ compatible extension ▶
- data integrity ▶
- ◀ databases ▶
- ◀ FIFO ▶
- lazy evaluation ▶
- list element tag ▶
- mail-merge ▶
- number ranges ▶
- pattern matching ▶
- ◀ pictures ▶
- ◀ plain T<sub>E</sub>X ▶
- references ▶
- ◀ reusable software parts ▶
- ◀ searching ▶
- ◀ selective loading ▶
- set macros ▶
- ◀ software engineering ▶
- ◀ table of contents ▶
- variant document parts ▶

◀ Kees van der Laan ▶

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## BLUe's Index

The creation of a modest index within a one-pass T<sub>E</sub>X job is proposed. In general a proof run and a final run are needed. The markup for the index entries is the same as used by Knuth for The T<sub>E</sub>Xbook. The process is controlled by the tags: `and` and `.` The file which emerges after `can` be enriched by hand, for example to include ``see also'` and the like. Sorting keys can be specified too, as well as items which have to be ignored for the sorting. The macros have been developed for use with English documents. To leave open the use with other languages the ordering has been parameterized in an ordering table.

[◀ compatible extension ▶](#)  
[◀ index ▶](#)  
[◀ number ranges ▶](#)  
[one-pass job ▶](#)  
[ordering table ▶](#)  
[◀ plain T<sub>E</sub>X ▶](#)  
[◀ reusable software parts ▶](#)  
[◀ software engineering ▶](#)  
[sort keys ▶](#)

[◀ Kees van der Laan ▶](#)

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# BLUe's Letters

The backgrounds, use, design, and coding of BLUe's Letters format have been discussed. The purpose is to format a letter, merge it with address(es) from a database, and typeset it all with the appropriate background such as logo and the like, completely within T<sub>E</sub>X. Separate labels can be obtained too, either specified by name or searched for by pattern.

- ◀ active list separators ▶
  - ◀ addresses ▶
- ◀ compatible extension ▶
  - ◀ databases ▶
  - ◀ data integrity ▶
    - ◀ FIFO ▶
  - ◀ lazy evaluation ▶
    - ◀ letter
  - ◀ list element tag ▶
    - ◀ mail-merge ▶
  - ◀ pattern matching ▶
    - ◀ plain T<sub>E</sub>X ▶
- ◀ reusable software parts ▶
  - ◀ set macros ▶
- ◀ software engineering ▶

◀ Kees van der Laan ▶

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# BLUe's Reports

The backgrounds, use, design, and coding of BLUe's Reports format have been discussed. The purpose is to format a report as a compatible extension of the default note format of BLUe's format. As such it is an example of how to customize BLUe's format system with a format of your own. The differences have to do with not only using titles but also reusing the titles for table of contents, list of examples, and running headlines the preliminary pages and cover pages which are absent with the default note format appendices may contain collected information from the script such as answer to the exercises (similar as in The T<sub>E</sub>Xbook), table of examples, table of contents, and an index.

- ◀ active list separators ▶
- ◀ compatible extension ▶
  - ◀ databases ▶
  - ◀ data integrity ▶
    - ◀ FIFO ▶
  - house style
  - ◀ lazy evaluation ▶
  - ◀ list element tag ▶
  - ◀ pattern matching ▶
    - ◀ plain T<sub>E</sub>X ▶
- ◀ reusable software parts ▶
  - separation of concerns
    - ◀ set macros ▶
- ◀ software engineering ▶

◀ Kees van der Laan ▶

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## Paradigms: Two-part macros

The use of two-part macros in BLUE's format is discussed. First the reason why in general two-part macros are beneficial is explained. Practical examples from the T<sub>E</sub>X-NL discussion list have been treated. The automatic generation of a one-part macro on top of two-part macros is given. The impossibility of reusing copy with different catcodes in T<sub>E</sub>X is mentioned and illustrated with an example from the T<sub>E</sub>Xbook.

◀ BLUE format ▶

catcodes

multiple use of copy

◀ plain T<sub>E</sub>X ▶

◀ Kees van der Laan ▶

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## Paradigms: Parameterization I — options

The use of options in BLUe's format is discussed. A survey is given of how Knuth coped with the functionality of optional arguments in T<sub>E</sub>X and manmac. As an extension to T<sub>E</sub>X's the BLUe's s are introduced, with the advantage of simpler handling of arguments. It is contrasted with the use in TUGboat's style files and AMS's ppt.sty.

◀ BLUe format ▶  
◀ optional parameters  
◀ plain T<sub>E</sub>X ▶

◀ Kees van der Laan ▶

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# BLUe's Typesetting of PASCAL

The formatting of PASCAL programs within plain T<sub>E</sub>X is proposed. Only `code` and `comment` have to be added as markup. In general the literate programming tools are to be preferred, especially when designing, developing, documenting, and maintaining professional software.

- ◀ compatible extension ▶
  - ◀ FIFO ▶
  - Pascal ▶
  - ◀ pattern matching ▶
    - ◀ plain T<sub>E</sub>X ▶
    - pretty-printing
- ◀ reusable software parts ▶
- ◀ software engineering ▶

◀ Kees van der Laan ▶

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# TUG'95

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# Reisverslag BachoT<sub>E</sub>X'95

Verslag bijeenkomst Poolse T<sub>E</sub>X users group GUST.

◀ BachoT<sub>E</sub>X ▶  
◀ report ▶  
GUST ▶  
Poland ▶

◀ Erik Frambach ▶

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# EuroT<sub>E</sub>X'95

Announcement of EuroT<sub>E</sub>X'95 conference.

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
◀ announcement ▶

# Maps 15 1995

- Verslag (1995/2)
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- Van de TUG President (1995)
- Concept begroting 1996
- Verslag 16e TUG-bijeenkomst
- TUG'95 at St. Petersburg Beach — a Personal View
- EuroT<sub>E</sub>X'95 in Nederland!

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## Verslag (1995/2)

Opening 15e NTG bijeenkomst 24 mei 1995; Verslag NTG bijeenkomst van 17 november 1994; Ingekomen stukken en mededelingen; NTG ledenvergadering; Verslag commissie voor kascontrole / vaststelling nieuwe commissie; Bestuursverkiezingen; EuroT<sub>E</sub>X'95; Miscellaneous; Rondvraag en sluiting; Voordrachten.

[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Frans Goddijn ▶](#)

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# Van de Voorzitter (1995/2)

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◀ chairman ▶

◀ Erik Frambach ▶

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# Van de TUG President (1995)

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# Concept begroting 1996

*geen samenvatting (no abstract)*

◀ budget ▶

◀ Wietse Dol ▶

Maps 15 1995

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# Verslag 16e TUG-bijeenkomst

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Florida ▶

◀ Wietse Dol ▶  
◀ Gerard van Nes ▶

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# TUG'95 at St. Petersburg Beach — a Personal View

*geen samenvatting (no abstract)*

◀ TUG conference ▶  
◀ St. Petersburg  
◀ Florida

◀ Michel Goossens ▶

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# EuroT<sub>E</sub>X'95 in Nederland!

Programma en inschrijfformulier EuroT<sub>E</sub>X conferentie.

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
Arnhem ▶

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T<sub>E</sub>X Plotter — a program for creating 2D and 3D pictures

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A Russian style for Babel: problems and solutions

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Modifying L<sup>A</sup>T<sub>E</sub>X

The proposed T<sub>E</sub>X Directory Structure

Occam's Razor and macro management

A package for Church-Slavonic typesetting

The W95 environment

MusiXT<sub>E</sub>X, even more beautiful than MusicT<sub>E</sub>X for music typesetting

e-T<sub>E</sub>X: a 100%-compatible successor to T<sub>E</sub>X

Adobe Acrobat 2.0: Beyond the bounds of paper

Typesetting commutative diagrams

Conversion of the Euler METAFONTS into the PostScript Type1 language

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# Graphics for T<sub>E</sub>X: a new implementation

*geen samenvatting (no abstract)*

[◀ graphics ▶](#)  
[◀ picture environment ▶](#)  
[◀ \special ▶](#)

Andrey Astrelin

Maps 15a 1995

[p 1-4](#)  [200 kB](#)

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# **T<sub>E</sub>X Plotter — a program for creating 2D and 3D pictures**

The MS DOS program which creates 2D and 3D T<sub>E</sub>X pictures for the plots of functions of two variables  $f(x,y)$  is described. In comparison with Gnuplot this program enables to plot the equilines (2D view) and the surface (3D view) pictures correctly and without memory overflow even for complex cases. The input is the ASCII file which contains the data points  $(X_{ij}, Y_{ij}, Z_{ij})$  of the function  $z = f(x,y)$  calculated over non-regular quadrangular mesh. The output is the ASCII file which contains the required picture in T<sub>E</sub>X format. The program has a flexible menu driven user interface and enables to create and to preview the output pictures with a variety of styles. At the time being the program supports L<sup>A</sup>T<sub>E</sub>X commands, EPIC/EEPIC macros and emT<sub>E</sub>X specials. In future the program should support T<sub>E</sub>X graphical tools like MFPiC, PiCT<sub>E</sub>X and EPS-files.

**graphics 3D**  
**◀ pictures ▶**  
**◀ graphics ▶**  
**plotting**

**Alexander Berdnikov ▶**  
**S. Turtia ▶**

**Maps 15a 1995**

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## VFComb — a program for design of virtual fonts

The MS DOS program which enables to simplify the design of the virtual fonts is described. Its main purpose was to facilitate the integration of CM-fonts with cyrillic LL-fonts created by O. Lapko and S. Strelkov but it can be used for various applications. It uses the information from TFM-files (converted to ASCII form by TFtoPL) and the ASCII data files created by the User on its input, and produces the VPL-file on its output which can be converted to the virtual font using VPtoVF. The characteristic feature of the program is that it can assemble the font ligature tables and user defined ligature tables for the characters extracted from various fonts and combine the metric information from various TFM-files. VFComb supports the full syntaxis of PL-files and VPL-files as it was defined by D.E. Knuth and adds new commands like symbolic variables or conditional operators, which simplifies the creation and the debugging of the virtual fonts.

◀ virtual fonts ▶  
VFcomb

◀ Alexander Berdnikov ▶  
◀ S. Turtia

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# The status of Babel

In this article I will give an overview of what has happened to Babel lately. First I will briefly describe the history of Babel; then I will introduce the concept of `shorthands'. New ways of changing the `language' have been introduced and Babel can now easily be adapted for local needs. Finally I will discuss some compatibility issues.

[◀ Babel ▶](#)  
[◀ multilingual](#)

[◀ Johannes Braams ▶](#)

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# Upages — plain T<sub>E</sub>X for professionals

When I have started my professional typography works in plain T<sub>E</sub>X, I found many things, which are done in each document. Some of them are language specific or trivial, but there exists many topics, which are strongly untrivial, and often required. T<sub>E</sub>X has many limitations, but there is (in recent time) nothing better in whole the world. Thus, we have powerful macro language but we haven't easy way to do many things: references, contents, page offsetting, interpretation of text token by token, cooperation with PostScript devices, device independent color and line drawing capabilities, easy box rotation and landscaping, making sheets and booklets, making other margins than 1in, creating cropmarks, color signatures, color separations etc. Certainly, there is many powerful macro systems, but they are very big, often slow, and cancels many capabilities of plain T<sub>E</sub>X. I have been particularly inspired by them, and particularly by some macros for plain T<sub>E</sub>X. But many of these macros are incompatible, if you want to use two of them, because one overwrites settings of the second. This all is good reason to write powerful macros these things instead of creating trivial macros twice a month. Then you needn't spend much time to correct bugs caused by these trivial macros. That's why I have written my upages.T<sub>E</sub>X macros. This chapter doesn't want to be a manual to these macros, but only an introduction with examples. upages.T<sub>E</sub>X macros consists on more parts. In this text I will describe the most powerful and interesting parts of them. I hope that my macros will greet many plain T<sub>E</sub>Xists. They makes easy to prepare documents and to make hooks and patches.

[◀ typography ▶](#)

[◀ plain T<sub>E</sub>X ▶](#)

**Stanisław Brabec**

**Maps 15a 1995**

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# A practical introduction to SGML

SGML, the Standard Generalized Markup Language, deals with the structural markup of electronic documents. It was made an international standard by ISO in October 1986. SGML soon became very popular thanks in particular to its enthusiastic acceptance in the editing world, by large multi-national companies, governmental organizations, and, more recently, by the ubiquity of HTML, Hypertext Markup Language, the source language of structured documents on WWW. This article discusses the basic ideas of SGML and looks at a few interesting tools. It should provide the reader with a better understanding of the latest developments in the field of electronic documents in general, and of SGML/HTML in particular.

◀ SGML ▶  
◀ HTML ▶  
◀ WWW ▶  
◀ DTD  
ISO8879

◀ Michel Goossens ▶  
Janne Saarela ▶

Maps 15a 1995

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# From L<sup>A</sup>T<sub>E</sub>X to HTML and back

Both L<sup>A</sup>T<sub>E</sub>X and HTML are languages that can express the structure of a document, and similarities between these two systems are shown. A detailed study is made of the L<sup>A</sup>T<sub>E</sub>X2HTML program, written by Nikos Drakos, that is today the most complete utility for translating L<sup>A</sup>T<sub>E</sub>X code into HTML, providing a quasi-automatic translation for most elements. A discussion of a few other tools for translating between HTML and L<sup>A</sup>T<sub>E</sub>X concludes the article.

L<sup>A</sup>T<sub>E</sub>X2HTML  
◀ HTML ▶  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
translation  
◀ conversion ▶  
tools ▶

◀ Michel Goossens ▶  
◀ Janne Saarela

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# Pascal: formatting Pascal using T<sub>E</sub>X

This paper is based on our ideas about how a system which formats programs written in a structured language must work. Particularly, tools which help in typesetting texts where algorithms are described. Most of our ideas have been put in practice in the pascal system, which automatize the elegant layout of Pascal programs. This system is programmed as a T<sub>E</sub>X macro package.

[◀ Pascal](#)  
[◀ formatting](#)  
[program code](#)

**Pedro Palao Gostanza**  
**Manuel Núñez García**

Maps 15a 1995

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# Beyond the bounds of paper and within the bounds of screens; the perfect match of T<sub>E</sub>X and Acrobat

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 15a 1995

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# PPCH<sub>T</sub>E<sub>X</sub>: typesetting chemical formulas in T<sub>E</sub>X

This article is about a package for typesetting chemical formulas. The primary interface of this package is in the dutch language. Because PPCH<sub>T</sub>E<sub>X</sub> has a multilingual interface, all commands and keywords can be toggled to english. The Dutch version of this article is published in NTG's MAPS (94.2) and is translated to English by H. de Weert.

◀ Hans Hagen ▶

◀ Ton Otten ▶

Maps 15a 1995

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# L<sup>A</sup>T<sub>E</sub>X, HTML and PDF, or the entry of T<sub>E</sub>X into the world of hypertext

An overview of the relation between L<sup>A</sup>T<sub>E</sub>X, HTML (WWW) and PDF is presented.

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
◀ HTML ▶  
◀ PDF ▶  
◀ hyperT<sub>E</sub>X

◀ Yannis Haralambous ▶  
◀ Sebastian Rahtz ▶

Maps 15a 1995

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# The release 1.2 of the Cork encoded DC fonts and the text companion symbol fonts

I present the release 1.2 of the dc fonts and the companion text symbol fonts. I give an overview of the improvements on the dc fonts from version 1.1 to 1.2. The rationale for introducing a text symbol font is explained and the text symbol encoding TS1 is presented. In the appendix, there are font tables of the mentioned fonts.

DC fonts  
TS1 text symbol encoding

Jörg Knappen ▶

Maps 15a 1995

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# A METAFONT—EPS interface

The MFtoEPS package enables METAFONT to produce EPS (Encapsulated PostScript) output.

◀ METAFONT ▶  
◀ PostScript ▶  
MFtoEPS ▶

◀ Bogusław Jackowski ▶

Maps 15a 1995

p 257-272  522 kB

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# Use of T<sub>E</sub>X as database with AnyT<sub>E</sub>X

The use of BLUe's format databases is treated. A new issue is introduced since the emerge of BLUe's Format system this spring. Boolean tags can be added to for example address.dat entries to denote fields and their contents. Together with one can easily obtain the list of names — and via these names the full entries, i.e., the addresses — of those who have not paid their membership fee, for example.

- ◀ active list separators ▶
  - ◀ addresses ▶
  - ◀ comment blocks
- ◀ compatible extension ▶
  - ◀ data integrity ▶
  - ◀ databases ▶
    - ◀ FIFO ▶
    - ◀ lazy evaluation
  - ◀ list element tag
  - ◀ mail-merge ▶
  - ◀ number ranges ▶
  - ◀ pattern matching
    - ◀ pictures
    - ◀ plain T<sub>E</sub>X ▶
    - ◀ references
- ◀ reusable software parts ▶
  - ◀ searching
  - ◀ selective loading ▶
  - ◀ set macros
- ◀ software engineering ▶
  - ◀ table of contents ▶
- ◀ variant document parts

◀ Kees van der Laan ▶

Maps 15a 1995

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# Indexing in T<sub>E</sub>X with AnyT<sub>E</sub>X

The creation of a modest index within a one-pass T<sub>E</sub>X job is treated. In general a proof run and a final run are needed.

- ◀ compatible extension
  - ◀ index ▶
  - ◀ number ranges
    - ◀ one-pass job
    - ◀ ordering table
      - ◀ plain T<sub>E</sub>X ▶
- ◀ reusable software parts
- ◀ software engineering ▶
  - ◀ sort keys

◀ Kees van der Laan ▶

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# A Russian style for Babel: problems and solutions

As with other languages using nonlatin basis there are some typographic features and national peculiarities that must be shown in the style. The paper describes the Russian style with macros for four standard Russian documents, , and for Russian alphabet counters and for Russian math operators. Some problems concerning the usage of this style (e.g. usage of different encodings) are described.

◀ Babel ▶  
Russian  
◀ typography ▶

Olga Lapko  
Irina Makhovaya

Maps 15a 1995

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# Data with daT<sub>E</sub>X

The authors explain how to handle data in T<sub>E</sub>X documents, in particular, how to avoid ever having to type in — and check! — the same data or text twice. These data may be stored in ordinary (non-T<sub>E</sub>X) databases, in ASCII files arranged according to the easy daT<sub>E</sub>X format, or in the T<sub>E</sub>X document itself. daT<sub>E</sub>X works in plain T<sub>E</sub>X and is supposed to work in L<sup>A</sup>T<sub>E</sub>X.

◀ databases ▶  
data manipulating  
filtering  
ASCII ▶

◀ Andries Lenstra ▶  
Steven Kliffen  
Ruud Koning ▶

Maps 15a 1995

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# Modifying L<sup>A</sup>T<sub>E</sub>X

This is an updated version of a document that was first written to be part of the distribution of the new standard L<sup>A</sup>T<sub>E</sub>X. It was produced in response to suggestions that the modification and distribution conditions for the files in our system should be similar to those implied by Version 2 of the GNU General Public Licence, as published by the Free Software Foundation. Although we are by now convinced that the principles described here are sound, the detailed consequences of these for the distribution and modification conditions are still evolving. Thus this article should not be treated as a definitive version of these conditions, even at the date of its publication.

# The proposed T<sub>E</sub>X Directory Structure

The concept of a standardized T<sub>E</sub>X directory structure is explained.

TDS  
standardization

◀ Joachim Schrod ▶

Maps 15a 1995

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# Occam's Razor and macro management

The philosophical principle known as Occam's Razor asserts that entities should not be multiplied beyond necessity. The T<sub>E</sub>X utility OCCAM is a tool to eliminate from a collection of supporting T<sub>E</sub>X macros (composite commands) those that are unnecessary in a given typescript. Hopefully, it will serve to (a) let Plain T<sub>E</sub>X users produce typescripts which can be electronically posted in a compact form that is nevertheless autonomous and perfectly archival, and (b) to simplify a macro package before making modifications for a special purpose. The OCCAM utility will ultimately be programmed entirely in T<sub>E</sub>X language to assure that it is universally available. Today it is just an evolving prototype implemented with a bit of help from an editor (on Macintosh) that has a programmable control language based on GREP. To achieve reasonably automatic functioning of OCCAM, not requiring surveillance by a T<sub>E</sub>X programmer, it is necessary to maintain a carefully structured master version of each macro package involved; this .occ version can double as the documented source version of the package.

Occam's Razor  
macro management

◀ plain T<sub>E</sub>X ▶

T<sub>E</sub>X typescripts

◀ electronic publishing

docstrip ▶

◀ L<sup>A</sup>T<sub>E</sub>X ▶

Laurent Siebenmann ▶

Maps 15a 1995

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# A package for Church-Slavonic typesetting

The multilingual ability of T<sub>E</sub>X is one of its most important properties. Due to T<sub>E</sub>X it became possible to produce high-quality books in many different languages (sometimes with very exotic grammatic rules). For more than 10 years of its existence T<sub>E</sub>X became a real polyglot and it seems that it doesn't want to stop evaluating. In this paper one more, may be rather exotic, example of practical usage of T<sub>E</sub>X is considered, and also many ideas and solutions which result from 5-year experience of T<sub>E</sub>X using.

Andrey Slepuhin

Maps 15a 1995

p 331-338  301 kB

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## The W95 environment

Since 1992 the ``WORKSHOP 9x'' seminar takes place at the Czech Technical University (CTU) every year. The aim of this wide seminar is to give all the CTU researchers or teams an opportunity to present their research projects in twenty minutes of speech and two pages of proceedings of the seminar. I solved the technical problem of making the proceedings using L<sup>A</sup>T<sub>E</sub>X. As the number of contributions increases year by year and the time for making the book is limited some automation of the typesetting process was and still is necessary. The W94 and W95 are attempts to transfer part of the typesetting work from the final typesetter to the authors. The W9x is simple single-purpose user-interface between L<sup>A</sup>T<sub>E</sub>X and the MS-DOS user who may know nothing about T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X. Some experiences (both technical and psychological) of using this system in the two last years are discussed in the paper and may be useful for organizers of seminars, conferences etc. where contributors are not T<sub>E</sub>X users and the proceedings are to be made with T<sub>E</sub>X.

◀ Windows ▶  
typesetting proceedings  
non-T<sub>E</sub>X-users

Antonín Strejc

Maps 15a 1995

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# MusiX<sub>TeX</sub>, even more beautiful than Music<sub>TeX</sub> for music typesetting

MusiX<sub>TeX</sub> is a new music typesetting package derived from Music<sub>TeX</sub>, but it provides more beautiful scores than Music<sub>TeX</sub> did. While Music<sub>TeX</sub> was a single pass package, MusiX<sub>TeX</sub> is a three pass system: the first pass performs a rough <sub>TeX</sub>ing which reports the spacings of each music section, the second pass is a computation of the best note spacings, and the third one is the final <sub>TeX</sub>ing process. The beauty of single notes does not significantly differ from Music<sub>TeX</sub>, but slurs are much more beautiful, and notes are regularly spaced instead of being irregularly spaced with glue.

◀ Music<sub>TeX</sub>  
MusiX<sub>TeX</sub>  
◀ music

◀ Daniel Taupin

Maps 15a 1995

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# e- $\text{T}_{\text{E}}\text{X}$ : a 100%-compatible successor to $\text{T}_{\text{E}}\text{X}$

e- $\text{T}_{\text{E}}\text{X}$  is the first concrete result of an international research & development project, the NTS Project, which was established under the aegis of DANTE during 1992. The aims of the project are to perpetuate and develop the spirit and philosophy of  $\text{T}_{\text{E}}\text{X}$ , whilst respecting Knuth's wish that  $\text{T}_{\text{E}}\text{X}$  itself should remain frozen.

[◀ e- \$\text{T}\_{\text{E}}\text{X}\$  ▶](#)

[◀ NTS ▶](#)

[◀ extended  \$\text{T}\_{\text{E}}\text{X}\$](#)

[◀ extensions ▶](#)  
[compatibility](#)

[◀ Philip Taylor ▶](#)

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# Adobe Acrobat 2.0: Beyond the bounds of paper

An overview of the concept and features of Adobe Acrobat is given.

# Typesetting commutative diagrams

There have been several efforts aimed at providing T<sub>E</sub>X and its derivatives with a suitable mechanism for typesetting commutative diagrams, with the consequent availability of several macro packages of widespread use in the category theory community, and a long debate about the best syntax to adopt for commutative diagrams in L<sup>A</sup>T<sub>E</sub>X3 has taken place during 1993 in the CATEGORIES discussion list. From the user's point of view, however, there is not much guidance when it comes to choosing a macro package, and even after a decision is made, the conversion of diagrams from the particular conventions of a macro package to another macro package's conventions may prove to be rather hard. Typesetting commutative diagrams is a surprisingly difficult problem, in comparison with T<sub>E</sub>X macro packages for other purposes, as judged by the amount of code needed and years of development invested. The existing macro packages for typesetting commutative diagrams are reviewed in this paper and they are compared according to several criteria, among them the capability to produce complex diagrams, quality of the output diagrams, ease of use, quality of documentation, installation procedures, resource requirements, availability, and portability. The compatibility of the different macro packages is also analyzed.

commutative diagrams  
macro packages

Gabriel Valiente Feruglio ►

Maps 15a 1995

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# Conversion of the Euler METAFONts into the PostScript Type1 language

A report of the process of converting Hermann Zapf's Euler fonts from METAFONT sources to PostScript Type1 format.

- ◀ METAFONT ▶
- ◀ PostScript ▶
- Type 1 fonts ▶
- ◀ conversion ▶

◀ Erik-Jan Vens

Maps 15a 1995

**p 425-430**  **229 kB**

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## When METAFONT does it alone

Combining METAFONT and T<sub>E</sub>X when typesetting text and graphics together is shown on several occasions to bring very impressive results. A. Hoenig presented a method for communication between T<sub>E</sub>X and METAFONT in order to solve two problems otherwise difficult to handle within T<sub>E</sub>X or METAFONT alone: label placement for diagrams generated by METAFONT, and curvilinear typesetting. We show that the method for curvilinear typesetting (involving three passes in Hoenig's approach) can be considerably simplified by using the extended ligature mechanism of T<sub>E</sub>X 3, and that a single METAFONT pass is actually sufficient, with quite a simple interface on T<sub>E</sub>X's side. Institutional seal text placement can be realized as a simple METAFONT application using this method. While PostScript offers ready-to-use easy solutions to this class of problems, METAFONT solutions can still be preferable to PostScript because of the ability of adding META-ness, e.g., by introducing second-order magnitude corrections/distortions to the letters and/or logos in order to enhance legibility when used in smaller sizes.

◀ METAFONT ▶

◀ graphics ▶

◀ Jiří Zlatuška

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[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Frans Goddijn ▶](#)

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◀ Erik Frambach ▶

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◀ Wietse Dol ▶

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◀ financial report ▶

◀ Wietse Dol ▶

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◀ report NTG ▶

◀ Gerard van Nes ▶

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# Van de TUG President (1996)

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◀ Michel Goossens ▶

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# Bericht van FGBBS

Een beschouwing over de vraag of, sinds de opkomst van Internet, er nog behoefte is een een BBS systeem. De voorlopige conclusie luidt dat een BBS op regionaal en klein-nationaal gebied een prettige aanvulling kan zijn op hetgeen het Internet te bieden heeft.

◀ BBS ▶  
◀ internet ▶

◀ Frans Goddijn ▶

Maps 16 1996

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# A plug-and-play teTeX CD-ROM

GUTenberg and UKTUG, in collaboration with TUG and NTG, are producing a plug-and-play CD-ROM based on Thomas Esser's teTeX distribution. It adheres to the TDS (TeX Directory Structure) tree structure (see, for instance, TUGboat 16(4), pages 401-412).

◀ Michel Goossens ▶  
◀ Sebastian Rahtz ▶

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# Attending EuroT<sub>E</sub>X'95 in Papendal

Report of EuroT<sub>E</sub>X'95 conference in Arnhem.

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
◀ Arnhem

◀ Michel Goossens ▶

Maps 16 1996

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# Bachot<sub>E</sub>X 1996

Verslag bijeenkomst Poolse T<sub>E</sub>X users group GUST.

- ◀ Bachot<sub>E</sub>X ▶
- ◀ report ▶
- ◀ GUST ▶
- ◀ Poland ▶

- ◀ Wietse Dol ▶
- ◀ Erik Frambach ▶

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# The 17th Annual T<sub>E</sub>X Users Group Meeting

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◀ Dubna ▶

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# De kunst van het programmeren

Sinds 1962 werkt Donald Knuth aan een informaticabijbel die over twintig jaar af moet zijn. Tussendoor ontwierp hij een tekstverwerker met eigen typografie en legde hij een Mona Lisa uit dominosteentjes.

Dirk van Delft

Maps 16 1996

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# An Interview with Donald Knuth

*geen samenvatting (no abstract)*

Jack Woehr

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## Knuth meets NTG members

On January 6th 1996, Kees van der Laan informed the NTG that Donald Knuth would be in Holland in March. Knuth was invited by the Mathematisch Centrum (MC, nowadays called Centrum voor Wiskunde en Informatica, CWI) because of CWI's 50th anniversary. Both Knuth and Mandelbrot were invited as speakers at the celebration. The NTG noticed that this was an exceptional occasion to organize a special meeting with Knuth for all Dutch T<sub>E</sub>X and METAFONT users who would like to meet the Grand Wizard himself. Fortunately Knuth accepted the NTG invitation and so a meeting was organized in 'De Rode Hoed' in Amsterdam on March 13th. About 35 people from all over the country and even from Belgium joined to meet Knuth. Everything was recorded on both video and audio tape by Gerard van Nes. Christina Thiele volunteered to write this transcript.

◀ Knuth ▶  
◀ dutch ▶  
visit  
interview ▶  
◀ NTG ▶

◀ Christina Thiele

Maps 16 1996

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# **T<sub>E</sub>X without 4T<sub>E</sub>X on the PC**

An example of a command-line interface for an existing 4T<sub>E</sub>X installation. Configuration involves defining environment variables and DOSKEY macros. This simplicity comes at the cost of greater dependence on PostScript/GhostScript and the loss of some advanced features.

◀ 4T<sub>E</sub>X ▶  
configuring  
DOSKEY  
GhostScript ▶

◀ Siep Kroonenberg ▶

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## Van dictaat tot boek

In 1980 werd ik docent natuurkunde aan de HTS te Arnhem voor de afdeling elektrotechniek. Toendertijd werd een leerboek gebruikt dat heel aardig de meer traditionele componenten behandelde, maar bijna niets wist te melden over wat tegenwoordig in een schakeling zit: dioden, transistoren en dat soort componenten. Een eerste navraag bij landelijke collega's leverde wel een soort werkgroepje op, maar niet de gezochte `nieuwe' leerstof. Dus maar zelf schrijven. Dat moet in eerste instantie letterlijk worden opgevat, maar ook met een tekstverwerker als L<sup>A</sup>T<sub>E</sub>X moet veel zelf worden gedaan. Wat begon rond 1985 als dictaat, per hoofdstuk afgedrukt, eindigde rond 1995 als boek: twee delen `Elektron natuurkunde' in de serie natuurkunde voor het HBO bij de Educatieve Uitgevers.

◀ Cees Fortuin

Maps 16 1996

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## Enkele ervaringen met L<sup>A</sup>T<sub>E</sub>X

Ter sprake komen de persoonlijke ervaringen met L<sup>A</sup>T<sub>E</sub>X rond onder meer de uitwerkingen en antwoorden-boeken van de methode `Wiskunde voor het hoger onderwijs' (R. van Asselt, e.a., uitgave van: Educatieve Partners Nederland BV), de ervaringen met betrekking tot verzorgde bijscholingscursussen L<sup>A</sup>T<sub>E</sub>X t.b.v. het personeel van de faculteit en de overige tekstverwerkingsactiviteiten.

Rom Pijlgroms

Maps 16 1996

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# Een L<sup>A</sup>T<sub>E</sub>X-cursus in Groningen

Begin mei heeft bij de afdeling wiskunde en informatica van de Rijksuniversiteit Groningen voor de tiende keer een L<sup>A</sup>T<sub>E</sub>X-cursus plaatsgehad. Onderstaand een kort relaas over het ontstaan van deze cursus en het doel ervan.

◀ Rein Smedinga

Maps 16 1996

p 58  13 kB

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# Het gebruik van L<sup>A</sup>T<sub>E</sub>X voor wiskunde lessen

*geen samenvatting (no abstract)*

**Ben Geels**

**Maps 16 1996**

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# Van ms-troff naar L<sup>A</sup>T<sub>E</sub>X

*geen samenvatting (no abstract)*

◀ Piet Tutelaers

Maps 16 1996

p 60  12 kB

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# The L<sup>A</sup>T<sub>E</sub>X2HTML translator: An Overview

L<sup>A</sup>T<sub>E</sub>X2HTML is, as its name implies, a translator which converts a standard L<sup>A</sup>T<sub>E</sub>X document into Hypertext Markup Language (HTML), for incorporation into the World-Wide Web. Like L<sup>A</sup>T<sub>E</sub>X, it is freely available software, supported by highly dedicated volunteers. Unlike L<sup>A</sup>T<sub>E</sub>X, it is currently available only on UNIX platforms.

Herbert Swan

Maps 16 1996

p 61-73  172 kB

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# Zijn Scientific Word en T<sub>E</sub>X uitwisselbaar?

*geen samenvatting (no abstract)*

Jan Jacobs  
Jan-Egbert Sturm

Maps 16 1996

p 74-75  55 kB

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# Typografisch programmeren

In dit artikel wordt de ontwikkeling van een interactief document beschreven. De getoonde voorbeelden demonstreren de kracht van T<sub>E</sub>X als typografische programmeertaal. Omdat dergelijke documenten het moeten opnemen tegen (vaak dedicated) programma's, kan het ontwikkelen ervan worden omschreven als typografisch programmeren.

typographic programming  
database publishing  
ConT<sub>E</sub>Xt interactive documents  
screen design  
interactive documents

◀ Hans Hagen ▶

Maps 16 1996

p 76-81  180 kB

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## Paradigms: It's all in the game

With the game tic-tac-toe as example it is shown how to dialogue with T<sub>E</sub>X. Three versions of a macro are discussed. The first prototype implements the bare-to-the-bones game. The other versions have increasingly better user interfaces and more intelligence implemented.

◀ BLUe format ▶  
dialogue with T<sub>E</sub>X  
games  
◀ plain T<sub>E</sub>X ▶  
◀ user interface

◀ Kees van der Laan ▶

Maps 16 1996

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## Paradigms: The winds and halfwinds — Details matter

The implementation of the turtle graphics idea in plain  $\text{T}_\text{E}\text{X}$  as part of BLUe's format graphics facilities has been discussed. Examples are the (recursive) coding of the Pythagorean and trinary trees. As spin-off the implementation of a (binary) chart — a binary tree with labels — is given. Rotation of trees goes simply by renaming the wind directions.

[binary tree](#)  
[◀ BLUe format ▶](#)  
[◀ graphics ▶](#)  
[◀ plain  \$\text{T}\_\text{E}\text{X}\$  ▶](#)  
[recursion](#)  
[trinary tree](#)  
[turtle graphics ▶](#)

[◀ Kees van der Laan ▶](#)

Maps 16 1996

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## BLUe-2-L<sup>A</sup>T<sub>E</sub>X — expansion and some more

Conversion should not be a problem. It is best to use a general accepted tool, which comes with a preprint format. Until BLUe's format is generally accepted a BLUe script has to be converted to comply with publishers' formats to get it out. Conversion via T<sub>E</sub>X's expansion is exercised in this note, with as result a plain T<sub>E</sub>X Converter Assistant, in the spirit of AWK. In netland it does not matter because BLUe's format system is available from CTAN and NTG's 4allT<sub>E</sub>X CD-ROM, and therefore everybody can format BLUe scripts, and no conversion is needed.

[BLUe script](#)

[◀ conversion ▶](#)

[◀ MAPS ▶](#)

[mouth processing ▶](#)

[◀ plain T<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

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# Graphics and T<sub>E</sub>X — a reappraisal of METAFONT

It is all about the author's first steps in METAFONT, for creating graphics to be included in T<sub>E</sub>X documents, with a wink to . The graphics comprises 2D pictures and 2.5D images of 3D objects via projection techniques. Learning METAFONT was much easier than learning T<sub>E</sub>X. Included examples are: cat, Hilbert curve, and Gabo's linear construction in space no 2. A few highlights on macro writing in METAFONT have been selected. The appendix contains the table of contents of my anthology.mf file of examples.

[computer art](#) ▶  
[constructivism](#)  
◀ [graphics](#) ▶  
    [Hilbert](#)  
[hidden lines](#) ▶  
◀ [METAFONT](#) ▶  
◀ [PostScript](#) ▶  
    [projection](#) ▶

◀ [Kees van der Laan](#) ▶

Maps 16 1996

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# Page layout in L<sup>A</sup>T<sub>E</sub>X

This article describes how to customize the page layout of your L<sup>A</sup>T<sub>E</sub>X documents, i.e how to change page margins and sizes, headers and footers, and the proper placement of figures and tables (collectively called floats) on the page. Originally this was the documentation of the fancyheadings package. It did contain also other info, e.g. advanced use of marks. It has now been upgraded to include more, e.g. the handling of floats. The fancyheadings documentation has been upgraded to conform to version 2 of this package 1 . For reasons of compatibility with certain operating systems, the name of the package has been changed to fancyhdr. Although this paper uses L<sup>A</sup>T<sub>E</sub>X2e commands, most of the techniques can be used with older L<sup>A</sup>T<sub>E</sub>X versions with appropriate changes.

◀ Piet van Oostrum ▶

Maps 16 1996

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# Colored Verbatim

This module implements (just another) verbatim environment. Especially when the output of T<sub>E</sub>X is viewed on an electronic medium, coloring has a positive influence on the readability of T<sub>E</sub>X sources. About half of the module is therefore dedicated to typesetting T<sub>E</sub>X specific character sequences in color. In this article I'll present some macro's for typesetting inline, display and file verbatim. The macro's are capable of handling <tabs> too.

[visualizing T<sub>E</sub>X](#)  
[ConT<sub>E</sub>Xt verbatim](#)  
[color verbatim](#)  
[◀ T<sub>E</sub>X visualizing](#)

[◀ Hans Hagen ▶](#)

Maps 16 1996

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[Do journals honor L<sup>A</sup>T<sub>E</sub>X submissions?](#)

[Introduction to ``T<sub>E</sub>X Unbound: L<sup>A</sup>T<sub>E</sub>X & T<sub>E</sub>X Strategies, Fonts, Graphics, and More''](#)

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## Verslag (1996/2)

Opening 17e NTG bijeenkomst 1 juni 1996; Notulen van de zestiende bijeenkomst van 5 september 1995; Ingekomen stukken en mededelingen; NTG ledenvergadering; Verslag commissie voor kascontrol en vaststelling nieuwe commissie voor kascontrole; Bestuursverkiezingen; Miscellaneous; Rondvraag en sluiting.

[◀ report ▶](#)  
[◀ members meeting ▶](#)

[◀ Frans Goddijn ▶](#)

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# Het weten waard

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# Van de Voorzitter (1996/2)

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◀ chairman

◀ Erik Frambach ▶

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# Van uw MAPS Editor (1996/2)

*geen samenvatting (no abstract)*

◀ Wietse Dol ▶

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# Concept begroting 1997

*geen samenvatting (no abstract)*

◀ budget ▶

◀ Wietse Dol ▶

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# Een rol voor T<sub>E</sub>X in het 3de millennium

*geen samenvatting (no abstract)*

◀ Michel Goossens ▶

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# (Cyr)TuG, and some more

Report of TUG meeting in Dubna, Russia.

[◀ CyrTUG](#)  
[◀ TUG conference ▶](#)  
[◀ Dubna](#)

[◀ Kees van der Laan ▶](#)  
[◀ Erik Frambach ▶](#)

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## De spelling van het lot

Het SPELLINGBESLUIT gepubliceerd in Staatsblad 394 (Besluit van 19 juni 1996, houdende voorschriften omtrent de schrijfwijze van de Nederlandse taal) heeft niet alleen gezorgd voor veel gekrakeel tussen neerlandici, maar het vormde ook een buitenkans voor uitgeverijen van werken als HET GROENE BOEKJE (binnen zes maanden 500.000 verkochte exemplaren). Kleinere ondernemingen brachten floppies op de markt met woordenlijsten en algoritmen. Intussen sloeg een groepje mensen (bestaande uit — in alfabetische volgorde — Erick Branderhorst, Erik Frambach, Frans Goddijn, Hans Hagen, Gerard van Nes, Piet Tutelaers, Jacoline van Weelden en Peter van Zeeland, en terzijde gestaan door Hans Linders) de handen ineen om te komen tot een vrij beschikbare, zo correct mogelijke Nederlandse woordenlijst.

[◀ new dutch  
dutch spelling  
spell checker ▶](#)  
[Groene Boekje](#)

[◀ Frans Goddijn ▶](#)

Maps 17 1996

[p 11-16](#)  [76 kB](#)

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# Heeft T<sub>E</sub>X nog toekomst?

This articles is meant as a starting point for further discussion on the future of T<sub>E</sub>X. The author wrote this expose after a discussion in the NTG board concerning the future of T<sub>E</sub>X and the NTG.

◀ future ▶  
T<sub>E</sub>X reflection

◀ Hans Hagen ▶

Maps 17 1996

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# Do journals honor L<sup>A</sup>T<sub>E</sub>X submissions?

The survival of L<sup>A</sup>T<sub>E</sub>X in the academic world will depend on T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X evolving towards changing publishing practices, but also on publishers actually accepting L<sup>A</sup>T<sub>E</sub>X submissions. Much has been said about the former, with a recent feature number of TUGboat addressing the subject of electronic publishing. When it comes to the latter issue, however, it is often taken for granted that scientific journals honor L<sup>A</sup>T<sub>E</sub>X submissions. An extensive research over the Internet reveals that, on the contrary, at the turn of the century many journals still regret to accept L<sup>A</sup>T<sub>E</sub>X submissions, sometimes preferring RTF or even bare ASCII sources to T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X. This note discusses some of the issues behind this situation and compiles all journals known to the au-thor that accept electronic submission of L<sup>A</sup>T<sub>E</sub>X articles in source form, thereby complementing the T<sub>E</sub>X counterpart.

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
◀ journals  
submissions  
academic

◀ Gabriel Valiente Feruglio

Maps 17 1996

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# Introduction to ``T<sub>E</sub>X Unbound: L<sup>A</sup>T<sub>E</sub>X & T<sub>E</sub>X Strategies, Fonts, Graphics, and More''

*geen samenvatting (no abstract)*

◀ Alan Hoenig ▶

Maps 17 1996

p 32-33  37 kB

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# Virtual Fonts, Virtuous Fonts

Virtual fonts allow us to use all digital fonts with T<sub>E</sub>X, even non-T<sub>E</sub>X ones, and do much more for us. What are virtual fonts? Several projects grant us necessary experience with them. This document comprises somewhat less than half of the similarly named chapter which will appear in the book T<sub>E</sub>X Unbound: L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X Strategies for Fonts, Graphics, and More, by Alan Hoenig, to be published in early 1997 by Oxford University Press. This excerpt is simplified so that it may be printed using the standard suite of T<sub>E</sub>X fonts; the original depends heavily on PostScript fonts and the author's style file for its typesetting. Consequently, some displays could not be included. For any questions or comments, please contact the author at [ajhjj@cunyvm.cuny.edu](mailto:ajhjj@cunyvm.cuny.edu).

◀ Alan Hoenig ▶

Maps 17 1996

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# Detailed Contents for ``T<sub>E</sub>X Unbound: L<sup>A</sup>T<sub>E</sub>X & T<sub>E</sub>X Strategies, Fonts, Graphics, and More''

This book will be published by Oxford University Press in early 1997. Contact the author at [ajhjj@cunyvm.cuny.edu](mailto:ajhjj@cunyvm.cuny.edu) for further information.

◀ Alan Hoenig

Maps 17 1996

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# A L<sup>A</sup>T<sub>E</sub>X tour, part 1: the base distribution

In this article I hope to give a `guided tour' around the files that make up the basic L<sup>A</sup>T<sub>E</sub>X distribution. Subsequent articles in this mini-series will cover other packages by the L<sup>A</sup>T<sub>E</sub>X development team, and also some of the main contributed packages.

◀ L<sup>A</sup>T<sub>E</sub>X ▶

**base distribution**

◀ **documentation** ▶

**guide** ▶

**David Carlisle** ▶

Maps 17 1996

**p 46-51**  **75 kB**

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## A L<sup>A</sup>T<sub>E</sub>X tour, part 2: the Tools and Graphics distribution

In the previous article in this series I started by giving a description of the files in the `base' L<sup>A</sup>T<sub>E</sub>X distribution. In part 2, I shall cover the `tools' and `graphics' distributions. These are distributed in the tools and graphics subdirectories of the CTAN directory macros/L<sup>A</sup>T<sub>E</sub>X/packages. Although these files are not part of the minimal base distribution they should normally be included in the L<sup>A</sup>T<sub>E</sub>X installation at any site. The L<sup>A</sup>T<sub>E</sub>X book assumes that at least the graphics distribution is installed.

◀ L<sup>A</sup>T<sub>E</sub>X ▶

tools package distribution

◀ documentation ▶

◀ guide

◀ David Carlisle ▶

Maps 17 1996

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# FRISTI

This article gives an impression of my way of designing and typesetting very small telephone and address lists, birthday calendars etc. Design considerations and typesetting tricks are presented. The latter include macros which define the sheets (from A4 to credit card and even key fob size), macros to process data records (typically specified in a separate file) in various ways, and macros to stuff and stow data in very limited space.

[small](#)  
[◀ lists ▶](#)  
[directory](#)  
[◀ calendar](#)  
[key fob](#)  
[credit card](#)  
[stuffing](#)

[◀ Herman Haverkort](#)

Maps 17 1996

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# PMGRAPH.STY: some useful macros which extends the L<sup>A</sup>T<sub>E</sub>X picture environment

*geen samenvatting (no abstract)*

◀ Alexander Berdnikov  
Olga Grineva

Maps 17 1996

**p 65-71**  **143 kB**

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# Using EPS Graphics in L<sup>A</sup>T<sub>E</sub>X2e Documents

This document explains how to use Encapsulated PostScript (EPS) files in L<sup>A</sup>T<sub>E</sub>X2e documents. The graphics and graphicx packages provide commands which insert, scale, and rotate EPS graphics.

Keith Reckdahl

Maps 17 1996

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# StarT<sub>E</sub>X — a T<sub>E</sub>X for beginners

This article describes StarT<sub>E</sub>X, a new T<sub>E</sub>X format for students writing their first report and other novice users. Its aim is to provide a simpler and more robust tool for users with no previous knowledge of T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.

T<sub>E</sub>X format  
novice T<sub>E</sub>X  
robust T<sub>E</sub>X  
error recovery in T<sub>E</sub>X  
T<sub>E</sub>X with SGML notation

◀ Dag Langmyhr

Maps 17 1996

p 115-121  107 kB

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## Paradigms: Loops

The implementation of loops in plain  $\text{T}_\text{E}\text{X}$  is surveyed. Van der Goot's loop is a remarkable straight implementation of tail recursion. Nesting of loops and the pitfalls in there are discussed. The use of hidden counters and the flip-flop traversal are given.

◀ **BLUe format** ▶  
◀ loops  
◀ **plain  $\text{T}_\text{E}\text{X}$**  ▶  
**tail recursion** ▶

◀ **Kees van der Laan** ▶

Maps 17 1996

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## Paradigms: Searching

Various ways of searching in plain  $\text{T}_\text{E}\text{X}$  are surveyed. Its use in BLUe's format for selective loading of macros, addresses, pictures, formats and tools is discussed. Interactively searching through a binary tree in dialogue with  $\text{T}_\text{E}\text{X}$  is also given.

[◀ BLUe format ▶](#)

[◀ databases ▶](#)

[pattern recognition](#)

[◀ plain  \$\text{T}\_\text{E}\text{X}\$  ▶](#)

[tree searching](#)

[◀ selective loading](#)

[◀ Kees van der Laan ▶](#)

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# Paradigms: Sorting

Various ways of sorting in plain T<sub>E</sub>X are surveyed. Macros for linear sorting (in the mouth), quick sort and heap sort are given. The use for sorting index reminders for indexing on-the-fly is touched upon.

◀ BLUe format ▶  
◀ heap sort  
◀ index preparation  
◀ plain T<sub>E</sub>X ▶  
quick sort

◀ Kees van der Laan ▶

Maps 17 1996

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## Paradigms: Just a little bit of PostScript

It is all about creating EPS — with graphics — to be merged with (La)T<sub>E</sub>X scripts. The emphasis is on creating raw PostScript for simple symmetrical pictures. Asides, like incorporating accurate graphs of math functions, typesetting text along curved paths, or tables set sideways, next to reverse video, clipping and tiling have been addressed. A poor man's MFtoEPS approach is touched upon: (declarative) METAFONT into (imperative) PostScript.

**declarative program**

◀ **EPS** ▶

**Escher** ▶

◀ **graphics** ▶

**imperative code**

◀ **L<sup>A</sup>T<sub>E</sub>X** ▶

**Koch island** ▶

**Malevich** ▶

**math graphs**

◀ **METAFONT** ▶

◀ **MFtoEPS** ▶

**Mondrian** ▶

◀ **PostScript** ▶

◀ **projection** ▶

**reverse video**

**ROEX** ▶

**Schroefer**

**sideways tables**

**suprematism** ▶

**text along curved paths**

**tiling** ▶

◀ **Kees van der Laan** ▶

**Maps 17 1996**

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# Visual Debugging in T<sub>E</sub>X: a short introduction

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 17 1996

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# Visual Debugging in T<sub>E</sub>X: how things are done

By redefining some T<sub>E</sub>X primitives, one can get an impression of what T<sub>E</sub>X and macros are doing behind the screens. This article visualizes some rather common but often unnoticed T<sub>E</sub>X features. The visual debugger described here is part of ConT<sub>E</sub>Xt, but can be used in plain T<sub>E</sub>X and other macro packages as well.

ConT<sub>E</sub>Xt ▶  
visual debugging  
debugging  
boxes ▶  
glue  
penalties  
kerns  
fills

◀ Hans Hagen ▶

Maps 17 1996

p 157-174  119 kB

# Where to find ConT<sub>E</sub>Xt

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 17 1996

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Redactioneel (1997/1)  
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Financieel verslag 1996  
Jaarverslag NTG 1996  
T<sub>E</sub>X Users Group, gisteren, vandaag en morgen  
Bericht van FGBBS — Voorjaar 1997  
WG: Educatie — een overzicht en oproep  
WG: T<sub>E</sub>X & SGML  
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Gezeefd uit de T<sub>E</sub>X-NL discussielijst (1997)  
Conversie van BibT<sub>E</sub>X naar HTML, T<sub>E</sub>X en L<sup>A</sup>T<sub>E</sub>X  
Het invoeren en afdrukken van de Latin-1 Characterset  
SGML entities in (La)T<sub>E</sub>X:  
The L<sup>A</sup>T<sub>E</sub>X Graphics Companion  
Loading PicT<sub>E</sub>X without problems  
pdfT<sub>E</sub>X, een eerste indruk  
Even voorstellen: de EPDA  
Puzzling Graphics in METAPOST  
Scans and bitmaps in T<sub>E</sub>X  
Using fonts in METAPOST — one way of forcing T<sub>E</sub>X to include the right fonts  
Stars around 1 — PostScript straightaway  
Stars around 2 — what a little math can do  
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How to handle compound and bounded words

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# Verslag Bijeenkomst

Opening, Notulen, Ingekomen stukken en mededelingen, bestuursmutaties, subsidieaanvraag, begroting 1997, MAPS zaken, Activiteiten, Lustrumcommissie, Werkgroepen

[◀ report ▶](#)  
[◀ meeting ▶](#)  
[◀ members meeting ▶](#)

[◀ Frans Goddijn ▶](#)

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# Van de Voorzitter (1997/1)

*geen samenvatting (no abstract)*

◀ Erik Frambach ▶

Maps 18 1997

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# Redactioneel (1997/1)

*geen samenvatting (no abstract)*

Taco Hoekwater ▶

Maps 18 1997

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# Het weten waard

*geen samenvatting (no abstract)*

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# Financieel verslag 1996

*geen samenvatting (no abstract)*

◀ financial report ▶

◀ Erik Frambach ▶  
Wybo Dekker ▶

Maps 18 1997

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# Jaarverslag NTG 1996

*geen samenvatting (no abstract)*

◀ report NTG ▶

◀ Gerard van Nes ▶

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# **T<sub>E</sub>X Users Group, gisteren, vandaag en morgen**

*geen samenvatting (no abstract)*

◀ Michel Goossens ▶

Maps 18 1997

p 13-14  33 kB

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# Bericht van FGBBS — Voorjaar 1997

Hoewel ``de loop eruit is'' in de winkelstraten, houdt stand als het rustige knopenwinkeltje dat met enige regelmaat wordt bezocht door een kleine maar trouwe klantenkring uit de wijde omgeving.

◀ FGBBS ▶

◀ report ▶

◀ Frans Goddijn ▶

Maps 18 1997

p 15-17  34 kB

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# WG: Educatie — een overzicht en oproep

Een overzicht van de activiteiten binnen en buiten de WG wordt gegeven, met daarnaast een suggestie.

◀ working group ▶  
◀ education ▶

◀ Kees van der Laan ▶

Maps 18 1997

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# WG: T<sub>E</sub>X & SGML

Een korte introductie van de werkgroep SGML en een oproep voor geïnteresseerde leden

◀ working group

◀ SGML ▶

◀ Taco Hoekwater ▶

Maps 18 1997

p 19  12 kB

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# De nieuwe NTG-WWW pagina's

Sinds kort zijn de WWW-pagina's van de NTG () geheel vernieuwd. Dit artikel geeft een overzicht van de ideeën achter de nieuwe opzet en uitvoering.

◀ NTG ▶

◀ internet ▶

◀ WWW ▶

◀ Erik Frambach ▶

◀ Hans Hagen ▶

Maps 18 1997

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## Gezeefd uit de T<sub>E</sub>X-NL discussielijst (1997)

In 1993 publiceerde Philippe Vanoverbeke in de MAPS tweemaal een selectie van berichten uit de T<sub>E</sub>X-NL lijst. Nu, een poosje later, wordt de draad weer opgepakt. Een aantal oplossingen, hints en gouden tips over onderwerpen waarvan je weleens denkt: ``hoe zat dat ook alweer?'' Deze informatie is, samen met nog veel meer van dergelijke waardevolle berichten uit T<sub>E</sub>X-NL, ook na te lezen op FGBBS in het berichtengebied FGBBS.ARCHIVE. Opvallend is dat in bijna alle gevallen het snelste en definitieve antwoord wordt gegeven door Piet van Oostrum (piet@cs.ruu.nl, <http://WWW.cs.ruu.nl/~piet>), zonder wie T<sub>E</sub>X-NL niet het zeer nuttige en snelle medium zou zijn dat het nu is. OOSTRUM-NL zou ook een goeie naam zijn.

[◀ TEX-NL ▶](#)  
[◀ discussionlist ▶](#)  
[tips ▶](#)  
[hints ▶](#)  
[beginner ▶](#)  
[help](#)  
[stylefiles](#)

[◀ Frans Goddijn ▶](#)

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# Conversie van Bib $\text{T}_\text{E}\text{X}$ naar HTML, $\text{T}_\text{E}\text{X}$ en $\text{L}^\text{A}\text{T}_\text{E}\text{X}$

Bib $\text{T}_\text{E}\text{X}$ -bibliografieën kunnen met behulp van een Perl-script vertaald worden naar HTML. Een variant op dat script levert een compleet  $\text{L}^\text{A}\text{T}_\text{E}\text{X}$ -bestand. Nog een andere variant levert een plain  $\text{T}_\text{E}\text{X}$ -bestand dat naar believen bijgeschaafd kan worden. Als gereedschap is enkel Perl en (La) $\text{T}_\text{E}\text{X}$  nodig.

[Bib \$\text{T}\_\text{E}\text{X}\$](#)  ▶

[Perl](#) ▶

◀ [HTML](#) ▶

◀ [conversion](#) ▶

◀ [Erik Frambach](#) ▶

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# Het invoeren en afdrucken van de Latin-1 Characterset

Ten behoeve van een collegedictaat is een tabel nodig met de Latin-1 of iso-8859-1 characterset. Dit artikel behandelt het invoeren en afdrucken van deze characterset met behulp van L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>.

**Ton Biegstraaten** ►

**Maps 18 1997**

**p 41-44**  **56 kB**

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## SGML entities in (La)T<sub>E</sub>X:

This package provides an easy-to-use interface to the SGML character entity sets (ISO 8879, Annex D). All entity sets defined in the Annex are supported, but there are still some minor problems.

[SGML entities](#)  
[SGML conversion](#)  
[◀ SGML ▶](#)

[◀ Taco Hoekwater ▶](#)

Maps 18 1997

[p 45-52](#)  [5233 kB](#)

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# The L<sup>A</sup>T<sub>E</sub>X Graphics Companion

This handy reference describes techniques and tricks needed to illustrate L<sup>A</sup>T<sub>E</sub>X documents, and answers common user questions about graphics and PostScript fonts. It provides the first full description of the standard L<sup>A</sup>T<sub>E</sub>X color and graphics packages, and shows how you can combine T<sub>E</sub>X and PostScript capabilities to produce beautifully illustrated pages. Following the successful format of , this new book will be an invaluable L<sup>A</sup>T<sub>E</sub>X resource for incorporating pictures into text.

- ◀ abstract
- ◀ table of contents
- ◀ preface
- ◀ L<sup>A</sup>T<sub>E</sub>X ▶

- ◀ Michel Goossens
- ◀ Sebastian Rahtz ▶
- ◀ Frank Mittelbach

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# Loading PicT<sub>E</sub>X without problems

When using ppchT<sub>E</sub>X in L<sup>A</sup>T<sub>E</sub>X, one can run out of dimension registers. This article describes a loading mechanism that take care of proper loading of PICT<sub>E</sub>X, that is, by using as few dimensions as possible.

# pdfT<sub>E</sub>X, een eerste indruk

Currently a new extension of T<sub>E</sub>X is under development. This web2c based extension pdfT<sub>E</sub>X not only produces DVI output, but alternatively generates PDF code. Functionality as well as new primitives are described.

◀ PDF ▶  
pdfT<sub>E</sub>X ▶  
web2c ▶

◀ Hans Hagen ▶

Maps 18 1997

p 65-67  37 kB

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# Even voorstellen: de EPDA

*geen samenvatting (no abstract)*

◀ Ton Otten ▶

Maps 18 1997

p 69  17 kB

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# Puzzling Graphics in METAPOST

METAPOST can be used for more than math oriented graphics. This article describes some macros for drawing arbitrary jigsaw puzzles and shifting puzzles. METAPOST can be fun!

# Scans and bitmaps in T<sub>E</sub>X

Guidelines are given for working with scans and bitmaps, with the emphasis on PostScript printing from T<sub>E</sub>X.

- scan
- image
- bitmap ▶
- resolution ▶
- halftone
- ◀ PostScript ▶

◀ Siep Kroonenberg ▶

Maps 18 1997

p 83-85  240 kB

view

# Using fonts in METAPOST — one way of forcing T<sub>E</sub>X to include the right fonts

METAPOST graphics can contain T<sub>E</sub>X produced text. Unfortunately, when including such graphics in T<sub>E</sub>X documents, only DVIPS knows how to include the right glyphs. This article describes a method (and macros) to handle glyph inclusion independent of DVI drivers. The ConT<sub>E</sub>Xt module described here can be used in other macro packages as well. (A later version of this module implements a more efficient mechanism as well as some additional functionality.)

◀ METAPOST ▶  
fonts in METAPOST  
◀ ConT<sub>E</sub>Xt ▶

◀ Hans Hagen ▶

Maps 18 1997

p 87-91  2634 kB

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# Stars around 1 — PostScript straightaway

Drawing the outline of stars is discussed. A METAFONT/Post and a PostScript program are included, next to a Columbus' egg PostScript solution. The appendices contain compositions of stars and a few versions of a PostScript operator to calculate the intersection point of two lines determined by four points.

[◀ EPS ▶](#)

[fractal ▶](#)

[intersection ▶](#)

[◀ Koch island](#)

[◀ METAFONT ▶](#)

[◀ METAPOST ▶](#)

[◀ MFtoEPS ▶](#)

[outline ▶](#)

[◀ PostScript ▶](#)

[◀ ROEX ▶](#)

[star](#)

[◀ tiling ▶](#)

[◀ Kees van der Laan ▶](#)

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## Stars around 2 – what a little math can do

The problems as treated by Jackowski in his lecture at NTG's 1996 fall meeting: a tangent to a circle, intersection of circles, V-like logo, and (circular) clipping of waves, are provided with alternative solutions, along with straightaway PostScript codes.

analytic geometry  
clipping  
◀ intersection  
linear equations  
logos ▶  
◀ METAPOST ▶  
◀ METAFONT ▶  
◀ MFtoEPS  
◀ outline ▶  
◀ PostScript ▶  
◀ ROEX  
tangent

◀ Kees van der Laan ▶

Maps 18 1997

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# BachTeX 97 — TeX from inside

A report of GUST's 5th conference in Bachotek, Poland.

◀ BachTeX ▶  
◀ GUST ▶  
◀ Poland ▶

◀ Erik Frambach ▶  
◀ Kees van der Laan ▶

Maps 18 1997

p 103-104  54 kB

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# Een greep uit de fontverzameling van T<sub>E</sub>X

De verzameling fonts die beschikbaar is binnen T<sub>E</sub>X is zeer omvangrijk. In dit artikel wordt een subjectieve poging gedaan hier iets van te laten zien.

◀ Ton Biegstraaten

Maps 18 1997

p 105-113  1394 kB

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# **T<sub>E</sub>X, BLUes, and Jazz — a search for values**

How to use T<sub>E</sub>X for a database oriented application is shown by the example of a collection of Jazz CDs. The request was to provide (part) of the title of a tune and to let T<sub>E</sub>X response with all the CDs which contain that tune. Only a few lines of code was all that was needed to fulfill the purpose. The example might serve as a user-oriented stepping stone for understanding how in BLUe's format T<sub>E</sub>X as database engine has been used.

[◀ BLUe ▶](#)  
[◀ databases ▶](#)  
[◀ plain T<sub>E</sub>X ▶](#)

[◀ Kees van der Laan ▶](#)

Maps 18 1997

[p 115-116](#)  [26 kB](#)

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# Gegevensverwerking met daT<sub>E</sub>X

De auteurs geven een inleiding in daT<sub>E</sub>X. Dat is een verzameling macro's waarmee gegevens eenvoudig kunnen worden verwerkt in een T<sub>E</sub>X of L<sup>A</sup>T<sub>E</sub>X file. Twee voorbeelden illustreren de grote mogelijkheden van deze macro's. Een uitgebreide handleiding en de macro's zelf staan op .

◀ databases ▶  
◀ data integrity ▶  
daT<sub>E</sub>X

◀ Andries Lenstra  
◀ Ruud Koning

Maps 18 1997

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# Adobe Supra: Adobe's High-Performance Raster Image Processor (RIP) Architecture for Print-on-Demand Systems

*geen samenvatting (no abstract)*

◀ **Wiegert Tierie**

**Maps 18 1997**

**p 125-130**  **6095 kB**

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# Computergestuurd Zetten of Electronisch publiceren? Nieuwe trends in wetenschappelijk publiceren

Abstract in het pools, tekst vertaald uit het engels door Taco Hoekwater

◀ Philip Taylor ▶

Maps 18 1997

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# lyx: een front-end voor L<sup>A</sup>T<sub>E</sub>X of een textprocessor?

Dit artikel is een recentie van het programma LyX. Lyx is een programma voor X windows dat dient als (bijna-)WYSIWYG schil bovenop L<sup>A</sup>T<sub>E</sub>X. De huidige stabiele beta-versie, die hier dan ook besproken wordt, is versie 0.10.7. Het programma wordt geschreven door een aantal auteurs onder `leiding' van Matthias Ettrich ().

LyX

◀ review

◀ WYSIWYG

◀ front-end

◀ Taco Hoekwater ▶

Maps 18 1997

p 145-150  121 kB

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## kdvi: een verbeterde xdvi

kdvi is een aangepaste versie van xdvi, een DVI previewer voor het X Window Systeem. De belangrijkste verandering is het gebruik van een `echte' grafische interface ter vervanging van de nogal primitieve widgets van xdvi. kdvi is software, de huidige versie is 0.2. De auteur is Markku Hihnala ().

[DVI previewer ▶](#)  
[previewer ▶](#)  
X  
[◀ interface ▶](#)

[◀ Taco Hoekwater ▶](#)

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## DVIPS manual — good old portability, and some more

Portable manuals should be written and marked up in this way. Just a few macros to take care of the formatting. The manual can be easily personalized. The dvips manual has been made available as a BLUe report with an index — based on IR-s by Rokicki — and a ToC. Both are welcome when using the manual. Some experience in using dvips under UNIX is also reported: overprinting a picture, adding a caption, and aligning pictures. A pitfall in using psfig is mentioned as well.

[aligning figures](#)

[◀ BLUe format](#)

[captions](#)

[DVI](#)

[◀ EPS ▶](#)

[figures](#)

[minimal markup ▶](#)

[overprinting](#)

[portability](#)

[◀ PostScript ▶](#)

[◀ Kees van der Laan ▶](#)

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# How to handle compound and bounded words

The dutch language permits words to be combined in many ways. To permit such compound words to be hyphenated properly, a versatile mechanism is presented, that handles all kind of compound and boundary situations. Although part of ConT<sub>E</sub>Xt, this module can be used in other packages as well.

[compound words](#)

[◀ hyphenation ▶](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

[boundary characters](#)

[◀ Hans Hagen ▶](#)

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# Een moderne toren van Babel

In deze voordracht zal ik kort aandacht besteden aan `wat is T<sub>E</sub>X`, `wat is L<sup>A</sup>T<sub>E</sub>X`. Hierbij komt ook het concept van `structuur markup` aan de orde. Vervolgens zal ik ingaan op de geschiedenis van het babel pakket. Aan de hand van een aantal voorbeelden zal ik toelichten welke problematiek zich voordoet bij het op een correcte wijze vormgeven van documenten waarin meerdere talen worden gebruikt.

◀ Johannes Braams ▶

Maps 18 1997

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# Stretching the limits of Babel, an Ever Growing Package?

*geen samenvatting (no abstract)*

◀ Johannes Braams ▶

Maps 18 1997

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# NTG Ledeninformatie

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Book Design for T<sub>E</sub>X Users — Part 1: Theory  
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Opening, Notulen, Ingekomen stukken en mededelingen, ledenvergadering

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◀ meeting ▶  
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◀ Frans Goddijn ▶

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# Van de Voorzitter (1997/2)

*geen samenvatting (no abstract)*

◀ Erik Frambach ▶

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# Redactioneel (1997/2)

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◀ Taco Hoekwater ▶

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# Het weten waard

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# Begroting NTG 1998

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◀ budget

◀ Wybo Dekker ▶

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# Ontwerpwedstrijd

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# 4allT<sub>E</sub>X versie 4

De vierde editie van de 4allT<sub>E</sub>X cdroms komt eraan. Dit artikel beschrijft wat er zoal nieuw is in deze editie.

◀ 4T<sub>E</sub>X ▶  
◀ 4allT<sub>E</sub>X ▶  
◀ emT<sub>E</sub>X ▶  
plug & play  
◀ CDRom ▶

◀ Erik Frambach ▶

Maps 19 1997

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# Het herontwerp van de MAPS

Toelichting bij de nieuwe vormgeving van de MAPS: papierformaat, font keuze, aanpassingen voor tweekolomsopmaak.

◀ MAPS ▶  
paper format  
fontkeuze  
◀ multi-columns  
layout ▶

◀ Siep Kroonenberg ▶

Maps 19 1997

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## De macros uit de nieuwe MAPS class

Dit artikel beschrijft de macros die gebruikt worden in de nieuwe maps class file. De nadruk ligt op de macros die proberen een stramien te ondersteunen.

**MAPS class file**  
**macro design**

◀ layout ▶

◀ Taco Hoekwater ▶

Maps 19 1997

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# Book Design for T<sub>E</sub>X Users — Part 1: Theory

Book design cannot be taught; it can only be learned, preferably by critical study of as many books as possible. Of all the elements which make up a book, white space is frequently the least considered and the most important. designs are compared and contrasted with more conservative and traditional approaches. Three key elements: , and are identified, and `good design practice' discussed in terms of each of these.

- ◀ design ▶
- ◀ typography ▶
- ◀ layout ▶

◀ Philip Taylor ▶

Maps 19 1997

p 19-27  104 kB

view

## Book Design for T<sub>E</sub>X Users — Part 2: Practice

In the predecessor to this paper, three fundamental concepts of , and were introduced, and general guidance given on each of them. In this paper, more practical advice is given, specifically in two areas: guidance on actual dimensions, proportions and layout; and guidance on implementing some of the ideas through the medium of the T<sub>E</sub>X language. Finally, some difficult (and even insoluble) problems in layout are discussed.

[◀ design ▶](#)  
[◀ typography ▶](#)  
[◀ layout ▶](#)

[◀ Philip Taylor ▶](#)

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# Tiling in PostScript and METAFONT — Escher's wink

Drawing tilings by computer is discussed. Examples are borrowed from literature. New are their included METAFONT and PostScript programs, with sometimes a new variation of a picture.

[Apollonius ▶](#)

[◀ computer art](#)

[Douat](#)

[Duerer](#)

[◀ EPS ▶](#)

[◀ Escher ▶](#)

[◀ graphics ▶](#)

[◀ METAFONT ▶](#)

[◀ METAPOST ▶](#)

[◀ outline ▶](#)

[Kepler](#)

[◀ Mondrian ▶](#)

[parquet](#)

[Penrose](#)

[◀ PostScript ▶](#)

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[Soddy ▶](#)

[◀ tiling ▶](#)

[Truchet](#)

[◀ turtle graphics ▶](#)

[zero finding](#)

[◀ Kees van der Laan ▶](#)

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## Toolbox (1997)

Er lopen in de wereld zo veel T<sub>E</sub>X-gebruikers rond, dat het zelden zal voorkomen dat een normale gebruiker de eerste is die een probleem tegen komt. Meestal zal dit probleem ook al door iemand anders zijn opgelost en vaak staat de oplossing op de 4allT<sub>E</sub>X, T<sub>E</sub>Xlive of een andere cd-rom. Indien daar niet te vinden is staat er vast wel een oplossing op ctan of één of andere Internetsite. Het probleem zit hem niet in de beschikbaarheid, maar in het opsporen van de oplossing. Artikelen in maps zijn daarvoor natuurlijk een belangrijke informatiebron. Sommige oplossingen zijn echter zo eenvoudig dat er nooit een artikel aan gewijd zal worden. Over een draadstriptang valt nu eenmaal niet al te veel te vertellen. In Toolbox zal niet alleen de draadstriptang worden besproken, maar ook het gebruik van lucifers om het plastic van het einde van het snoer af te branden. Stuur ook informatie over uw favoriete tools naar mij op, zo kan Toolbox een belangrijke informatiebron worden over utilities, macro's en andere eenvoudige trucs voor de gewone T<sub>E</sub>X-gebruiker. Deze keer is de spil van het verhaal PostScript.

◀ PostScript ▶  
installation ▶  
toolbox ▶

Maarten Gelderman ▶

Maps 19 1997

p 68-70  44 kB

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# TUG'97 conferentie

Een kort verslag van de conferentie van de T<sub>E</sub>X Users Group 1997 in San Francisco, USA.

◀ TUG conference ▶  
San Francisco

◀ Erik Frambach ▶

Maps 19 1997

p 71-72  27 kB

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# Installatie-handleidinkje voor 'L<sup>A</sup>T<sub>E</sub>X voor Windows 1.0'

Op verzoek van Frans Goddijn heeft FGBBS-user Robbert Hardin een verslag geschreven van de installatie van het pakket L<sup>A</sup>T<sub>E</sub>X voor Windows (16 diskettes, ook op FGBBS te vinden).

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
◀ Windows ▶  
systems  
◀ installation ▶

Robbert Hardin

Maps 19 1997

p 73-75  32 kB

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# L<sup>A</sup>T<sub>E</sub>X & Chinees

Met behulp van het L<sup>A</sup>T<sub>E</sub>X-package `CJK' is het mogelijk om tekst te zetten in het Chinees, Japans en Koreaans. In dit artikel laat ik in het kort zien wat ervoor nodig is om Chinese tekst met L<sup>A</sup>T<sub>E</sub>X — Japans en Koreaans blijven buiten beschouwing. Het installeren van de benodigde software wordt behandeld, evenals het gebruik van dit systeem in de praktijk.

◀ L<sup>A</sup>T<sub>E</sub>X ▶

Chinese

CJK ▶

◀ fonts ▶

◀ PostScript ▶

Big5

◀ Erik Frambach ▶

Maps 19 1997

p 76-78  110 kB

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# **T<sub>E</sub>X inside, insight, in sight: get priorities right**

It is argued that for using T<sub>E</sub>X — a multi-level tool — T<sub>E</sub>X inside knowledge should not be necessary for the layman, for production purposes. The `why, what and when,' especially at the grey level will be discussed. Necessary insight issues are enumerated.

[◀ active list separators](#)  
[greyboxes](#)

[hyphenation of accented words](#)

[◀ minimal markup ▶](#)

[partitioned matrices](#)

[two-part macros](#)

[◀ Kees van der Laan ▶](#)

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# Local Guide T<sub>E</sub>X-installatie Fewec

Dit is de Local Guide van de L<sup>A</sup>T<sub>E</sub>X installatie van de Faculteit der Economische Wetenschappen en Econometrie van de Vrije Universiteit te Amsterdam. De Local Guide is niet bedoeld als L<sup>A</sup>T<sub>E</sub>X-handleiding, maar als aanvulling daarop. Er wordt een korte uitleg over L<sup>A</sup>T<sub>E</sub>X gegeven, een aantal bijzonderheden van onze L<sup>A</sup>T<sub>E</sub>X-installatie wordt genoemd en de gebruikte editor (Jed) wordt besproken. De Local Guide kan zeker worden uitgebreid. Eenieder die nieuw materiaal heeft kan dit aan mij doorsturen en ik zal zorgen dat het, zoveel mogelijk ongewijzigd, wordt opgenomen.

◀ local guide  
L<sup>A</sup>T<sub>E</sub>X installation  
editor ▶  
Jed

◀ Maarten Gelderman ▶

Maps 19 1997

p 87-96  86 kB

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# User manual for kluwer.cls

This is the user manual for the kluwer.cls class file for the preparation of articles to be submitted to journals or spin-offs of journals published by Kluwer Academic Publishers. The kluwer.cls is a generic class, which allows us to have a simple conversion to different journal layouts. The kluwer.cls class file is similar to the class file of L<sup>A</sup>T<sub>E</sub>X, but it has some extra fields in the preamble and some extended commands for the body text.

◀ L<sup>A</sup>T<sub>E</sub>X2e  
electronic submission  
user manual  
class file  
Kluwer

Kluwer Academic Publishers

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p 97-111  209 kB

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# Quark Xpress: een vakantie liefde

Hoe prachtig ``ons T<sub>E</sub>X'' ook is, in de wijde wereld daarbuiten is het onbekend. De meeste drukkers en grafische ontwerpers weten niet eens wat het is. Pas als je het magische woord ``Quark Xpress'' laat vallen, tel je voor hen mee. Afgelopen zomer kocht ik een manual van meer dan 600 pagina's en verslond dit in de vakantie. Wat heeft dat pakket dat wij niet hebben?

Quark Xpress  
manual ►

◀ Frans Goddijn ▶

Maps 19 1997

p 112-114  35 kB

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# ConT<sub>E</sub>Xt voor beginners

Hierna volgt een introductie op ConT<sub>E</sub>Xt. Deze handleiding is, net als ConT<sub>E</sub>Xt, beschikbaar in het Nederlands en Engels en binnenkort ook in het Duits. Dit is de eerste versie; op- en aanmerkingen zijn dan ook welkom.

◀ Hans Hagen ▶

◀ Ton Otten ▶

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Het weten waard

Financieel verslag 1997

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De NTG en het Internet (1998/1)

FGBBS op snelheid — verslag van FGBBS

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Het nieuwe NTG logo

Why \expandafter is sometimes needed by common users too

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Expansion, what is that?

Color in professional print production

Microsoft buys  $\TeX$ , plans new products

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Typografische scanning

Vlakverdeling in Con $\TeX$ t

Arab $\TeX$  — Typesetting Arabic with Vowels and Ligatures

Dartele cijfers: poor man's oldstyle

DVIview, a new previewer

Toolbox (1998)

A L $\TeX$  Tour, part 3: mfnfss, psnfss and babel

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Visual T<sub>E</sub>X 5.10 for MS-Windows  
Windvi User's Manual  
PPCHT<sub>E</sub>X — a macropackage for typesetting chemical structure formulas with T<sub>E</sub>X — ...  
The DJGPP port of web2c  
Gezeefd uit de TEX-NL discussielijst (1998)  
BachoT<sub>E</sub>X'98 — TUG at hand  
BLUe's OTR for notes: back-to-the-roots  
The Oldenburg eT<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X3/ConT<sub>E</sub>Xt meeting  
Summary of math font-related activities at EuroT<sub>E</sub>X '98  
Summary of indexing-related activities at EuroT<sub>E</sub>X '98  
The e-T<sub>E</sub>X manual, version 2, februari 1998  
Generating Type 1 fonts from METAFONT Sources  
Vergelijking van SGML en XML  
Comparison of SGML and XML  
Comparing ConT<sub>E</sub>Xt and L<sup>A</sup>T<sub>E</sub>X  
Pretty printing T<sub>E</sub>X METAPOST, Perl and JavaScript  
The Calculator Demo — Integrating T<sub>E</sub>X, METAPOST, JavaScript and PDF  
Contending with Office suites  
4T<sub>E</sub>X5.0: TDS, Web2c, and Windows 95/NT  
Perl and T<sub>E</sub>X a simple application  
Some funny macro's  
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◀ report ▶  
◀ members meeting

◀ Frans Goddijn ▶

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# Van de Voorzitter (1998/1)

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◀ Erik Frambach ▶

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# From the TUG President

*geen samenvatting (no abstract)*

Mimi Jett

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# Redactioneel (1998/1)

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◀ Taco Hoekwater ▶

◀ Siep Kroonenberg ▶

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# Het weten waard

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# Financieel verslag 1997

*geen samenvatting (no abstract)*

◀ financial report

◀ Wybo Dekker ▶

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# Jaarverslag ntg 1997

*geen samenvatting (no abstract)*

◀ report NTG

◀ Gerard van Nes ▶

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# De NTG en het Internet (1998/1)

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◀ discussionlist ▶

◀ TEX-NL ▶

◀ Jules van Weerden ▶

◀ Maarten Gelderman ▶

Maps 20 1998

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# FGBBS op snelheid — verslag van FGBBS

*geen samenvatting (no abstract)*

◀ BBS

◀ bulletin board

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◀ email

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◀ Frans Goddijn ▶

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# 10 jaar NTG — wat vinden de leden

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◀ NTG ▶  
◀ MAPS ▶  
enquete

◀ Hans Hagen ▶  
◀ Maarten Gelderman ▶

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# Het nieuwe NTG logo

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NTG logo ▶  
◀ EPS ▶

◀ Siep Kroonenberg ▶

Maps 20 1998

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# Why `\expandafter` is sometimes needed by common users too

*geen samenvatting (no abstract)*

`\expandafter`  
macro language ▶

◀ Hans Hagen ▶

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# 10 jaar NTG

Een terugblik op tien jaar NTG, met een vooruitblik naar de komende jaren.

◀ NTG ▶

T<sub>E</sub>X user groups ▶  
lustrum

◀ Erik Frambach ▶

Maps 20 1998

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# EuroT<sub>E</sub>X'98 in Saint-Malo, France

This year's EuroT<sub>E</sub>X conference was held in Saint-Malo. On behalf of the NTG ERik Frambach, Hans Hagen, Taco Hoekwater and Siep Kroonenberg represented the dutch T<sub>E</sub>X-community. In this report they discuss the social and T<sub>E</sub>Xnical aspects of the conference.

◀ EuroT<sub>E</sub>X ▶  
◀ conference ▶  
Saint-Malo

◀ Erik Frambach ▶  
◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶  
◀ Siep Kroonenberg ▶

Maps 20 1998

p 33-37  250 kB

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# Expansion, what is that?

*geen samenvatting (no abstract)*

◀ expansion ▶  
◀ macro language

◀ Hans Hagen ▶

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# Color in professional print production

This paper takes a look at issues arising in color printing, such as color models, color conversion and color separation. Increasingly, it is feasible to perform these functions on existing PostScript files, independent of the authoring software. The PDF format plays a key role in this trend.

[color printing](#)  
[color model](#)  
[device-independent color](#)  
[color conversion](#)  
[color separation](#)  
[◀ PDF ▶](#)

[◀ Siep Kroonenberg ▶](#)

Maps 20 1998

[p 38-43](#)  [1101 kB](#)

# Microsoft buys T<sub>E</sub>X, plans new products

*geen samenvatting (no abstract)*

MicroSoft  
◀ Knuth  
joke

Richard Kinch

Maps 20 1998

p 44-45  800 kB



# Reprint Maps issue #1

This is a fascimile of the very first MAPS issue, originally published in 1988

MAPS reprint

◀ Gerard van Nes

Maps 20 1998

p 46-64  876 kB

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# Het zetten van wetenschappelijk werk: 1973 vs 1998 — (Monotype vs **T<sub>E</sub>X**)

*geen samenvatting (no abstract)*

◀ typesetting  
monotype  
traditional typesetting

Gerrit Oomen

Maps 20 1998

p 65-71  4106 kB

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# Typografische scanning

Dit artikel geeft een beschouwing over ``Nederlandse'' typografie, aan de hand van een aantal scans van in Nederland gepubliceerde boeken en tijdschriften uit de afgelopen drie eeuwen. Het artikel laat een aantal traditionele typografische vormen zien, met toevoeging van wat commentaren over het gebruikte proces.

◀ typography ▶

◀ dutch

◀ Taco Hoekwater ▶

Maps 20 1998

p 72-79  360 kB

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# Vlakverdeling in ConT<sub>E</sub>Xt

This article is actually chapter 3 of the ConT<sub>E</sub>Xt reference manual, typeset in the MAPS layout. Attention will be paid to defining layout specific areas, rearranging pages, locating logos, typesetting on a grid and adding cutmarks.

- ◀ ConT<sub>E</sub>Xt ▶
- ◀ layout ▶
- grids
- two-up
- ◀ logos ▶
- arranging pages

◀ Hans Hagen ▶

Maps 20 1998

p 80-107  379 kB

view

# ArabT<sub>E</sub>X — Typesetting Arabic with Vowels and Ligatures

We present a T<sub>E</sub>X macro package for generating the arabic writing from a standardized ASCII input notation. It can handle partial or full vocalization, and generates automatically most of the common ligatures. There is limited support for Farsi, Urdu, and Pashto. ArabT<sub>E</sub>X is compatible with Plain T<sub>E</sub>X and also most L<sup>A</sup>T<sub>E</sub>X environments; arabic and other material can be mixed freely. For special purposes the standard transliteration can be additionally generated. ArabT<sub>E</sub>X uses no preprocessor and thus should be compatible with any T<sub>E</sub>X implementation that allows dynamic loading of additional macro files and fonts.

ArabT<sub>E</sub>X  
transliteration

arabic ►

Farsi

Urdu

Pashto

Klaus Lagally

Maps 20 1998

p 108-116  230 kB

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## Dartele cijfers: poor man's oldstyle

Erik Frambach vroeg zich af of het mogelijk zou zijn om met wat trucs de oldstyle cijfers te emuleren dij fijnproevers zo mooi vinden. En het kostte nog minder moeite dan hij had verwacht!

[◀ oldstyle](#)  
[◀ mediaeval](#)  
[◀ digits](#)  
[◀ numbers](#)  
[trucs](#)  
[pstricks ▶](#)

[◀ Frans Goddijn ▶](#)

Maps 20 1998

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# DVIview, a new previewer

DVIview is a new viewer for the Windows platform. Key features: virtual fonts, rotated and colored text and performance. This article focuses on the development process and hilights some features of the software.

**DVIview**  
◀ **previewer**  
◀ **Windows** ▶  
◀ **outline fonts** ▶

**Gilbert van den Dobbelsteen** ▶

**Maps 20 1998**

**p 120-124**  **154 kB**

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# Toolbox (1998)

Literatuurverwijzingen vormen deze keer de hoofdmoot van het verhaal.

- ◀ BibT<sub>E</sub>X ▶
- ◀ bibliography ▶
- bibdb
- bibedit
- ◀ toolbox ▶

◀ Maarten Gelderman ▶

Maps 20 1998

p 125-130  190 kB

view



# A L<sup>A</sup>T<sub>E</sub>X Tour, part 3: mfnfss, psnfss and babel

*geen samenvatting (no abstract)*

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
psnfss  
mfnfss  
◀ Babel

◀ David Carlisle ▶

Maps 20 1998

**p 131-137**  **170 kB**

view

# Conversie van any $\text{T}_\text{E}\text{X}$ naar HTML met $\text{T}_\text{E}\text{X}4\text{ht}$

Gurari's  $\text{T}_\text{E}\text{X}4\text{ht}$ -programmatuur maakt het mogelijk om in  $\text{T}_\text{E}\text{X}$  geschreven teksten (plain  $\text{T}_\text{E}\text{X}$ ,  $\text{L}^\text{A}\text{T}_\text{E}\text{X}$  of wat dan ook) vrij eenvoudig te converteren naar HTML. Als voorbeeld nemen we de  $4\text{T}_\text{E}\text{X}$ -handleiding die in  $\text{L}^\text{A}\text{T}_\text{E}\text{X}$  is geschreven.

◀ conversion ▶  
◀ HTML ▶  
◀ WWW ▶  
tex4ht

◀ Erik Frambach ▶

Maps 20 1998

p 138-141  178 kB

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# Visual T<sub>E</sub>X 5.10 for MS-Windows

MicroPress' Visual T<sub>E</sub>X is a complete T<sub>E</sub>X implementation for MS-DOS and all flavors of MS-Windows. The Windows version is reviewed here. It supports several interesting features that go beyond standard T<sub>E</sub>X, such as outline fonts and conversion to HTML.

T<sub>E</sub>X implementations ▶

visual T<sub>E</sub>X

◀ Windows ▶

◀ HTML ▶

◀ Erik Frambach ▶

Maps 20 1998

p 142-145  242 kB

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# Windvi User's Manual

This article is an adaptation of the HTML file that comes with the current (0.40) version of windvi

◀ [DVI previewer](#)  
[windvi](#)  
◀ [manual](#) ▶

[Fabrice Popineau](#) ▶

Maps 20 1998

[p 146-149](#)  [141 kB](#)

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# PPCH<sub>T</sub>E<sub>X</sub> — a macropackage for typesetting chemical structure formulas with T<sub>E</sub>X — release 2

A few years ago PPCH<sub>T</sub>E<sub>X</sub> was introduced. This generic macro package can be used to typeset chemical structure formulas. Currently the NTG supports a dedicated mailing list, to which quite some users subscribed. Here we present the long awaited for english update of the manual. The dutch and german manuals were already available for about a year and can be uploaded from the NTG server.

◀ PPCH<sub>T</sub>E<sub>X</sub> ▶  
◀ chemical formulas  
◀ graphics ▶  
◀ manual ▶

◀ Ton Otten ▶

Maps 20 1998

p 150-209  742 kB

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# The DJGPP port of web2c

Web2c is getting popular and popular. Why? Because it is widespread. I'll discuss some of the aspects of the port to the MS-DOS environment. I used the variant on the 4allT<sub>E</sub>X4 CD-ROM.

- ◀ web2c ▶
- ◀ T<sub>E</sub>X implementations
- ◀ MS-DOS
- djgpp**

◀ Gilbert van den Dobbelen ▶

Maps 20 1998

**p 210-213**  **120 kB**

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## Gezeefd uit de TEX-NL discussielijst (1998)

Dit is het vierde deel uit een serie die in 1993 door Philippe Vanoverbeke in de MAPS is gestart. Philippe maakte een selectie van berichten uit de TEX-NL lijst. Een aantal oplossingen, hints en gouden tips over onderwerpen waarvan je weleens denkt: ``hoe zat dat ook alweer?’’ In de MAPS van voorjaar 1997 stond deel 3. Voor deze aflevering is een aantal berichten gezeefd uit TEX-NL van maart 1997 tot maart 1998. Tenzij anders is vermeld, zijn de onderstaande antwoorden van Piet van Oostrum. Omdat het wat bewerkelijk is om sommige trucs over te tikken, staat dit artikel ook op FGBBS.

◀ TEX-NL ▶  
registered  
guru ▶  
◀ tips  
◀ hints ▶  
hack ▶  
◀ bugs ▶

◀ Frans Goddijn ▶

Maps 20 1998

p 214-232  223 kB

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# BachTeX'98 – TUG at hand

A report on GUST's sixth conference in Bachotek, Poland

◀ BachTeX ▶  
◀ GUST ▶  
◀ Poland ▶

◀ Kees van der Laan ▶

Maps 20 1998

p 233-234  81 kB



## BLUe's OTR for notes: back-to-the-roots

The back-to-the-roots OTR for BLUE's notes is discussed. It consists of Plain T<sub>E</sub>X's OTR for 1-column and the compatible extension as given in the T<sub>E</sub>Xbook for 2-columns. Only the pagebody differs: 2-columns instead of 1-column. This replacement is aimed at facilitating a personalized preprint OTR, such that BLUe can easily adapt it. The modified will be distributed by CTAN, and NTG's 4AllT<sub>E</sub>X CD-ROM.

◀ BLUe ▶

◀ manmac

output routine

◀ plain T<sub>E</sub>X ▶

◀ preprints

◀ Kees van der Laan ▶

Maps 20 1998

p 235-237  99 kB

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# The Oldenburg eT<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X3/ConT<sub>E</sub>Xt meeting

*geen samenvatting (no abstract)*

- ◀ e-T<sub>E</sub>X ▶
- ◀ L<sup>A</sup>T<sub>E</sub>X3 ▶
- ◀ ConT<sub>E</sub>Xt ▶
- ◀ meeting ▶

◀ David Carlisle

Maps 20 1998

p 238-242  169 kB

view

# Summary of math font-related activities at EuroT<sub>E</sub>X '98

*geen samenvatting (no abstract)*

◀ EuroT<sub>E</sub>X ▶  
◀ math fonts ▶  
bof ▶

◀ Barbara Beeton  
Thierry Bouche ▶  
◀ Taco Hoekwater ▶  
Patrick Ion  
◀ Jörg Knappen  
◀ Chris Rowley  
Ulrik Vieth ▶

Maps 20 1998

p 243-246  95 kB

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# Summary of indexing-related activities at EuroT<sub>E</sub>X '98

This is an adaptation of the ascii file posted to the xindy newsgroup by Roger Kehr in the week following EuroT<sub>E</sub>X.

[xindy](#)  
[◀ EuroT<sub>E</sub>X ▶](#)  
[◀ bof](#)

[Roger Kehr](#)

[Maps 20 1998](#)

[p 247](#)  [94 kB](#)

[view](#)

# The e-TeX manual, version 2, februari 1998

The preparation of this report was supported in part by DANTE, Deutschsprachige Anwendervereinigung T<sub>E</sub>X e.V. `T<sub>E</sub>X' is a trademark of the American Mathematical Society.

NTS team  
Peter Breitenlohner

Maps 20 1998

**p 248-263**  **221 kB**

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# Generating Type 1 fonts from METAFONT Sources

This article makes a comparison between bitmapped and vector fonts, and presents some of the problems I encountered when I tried to convert METAFONT sources into PostScript Type 1 fonts.

- ◀ METAFONT ▶
- ◀ PostScript ▶
- ◀ **Type 1 fonts** ▶
- ◀ conversion ▶
- metafog

◀ Taco Hoekwater ▶

Maps 20 1998

p 264-275  657 kB

[view](#)

# Vergelijking van SGML en XML

Dit is een inleiding op de volgende bijlage

◀ SGML ▶  
XML ▶  
comparison ▶

◀ Simon Pepping ▶

Maps 20 1998

p 276  78 kB

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- exit

# Comparison of SGML and XML

This document provides a detailed comparison of SGML (ISO 8879) and XML.

James Clark

Maps 20 1998

[p 277-279](#)  [107 kB](#)



# Comparing ConT<sub>E</sub>Xt and L<sup>A</sup>T<sub>E</sub>X

Some aspects of ConT<sub>E</sub>Xt and L<sup>A</sup>T<sub>E</sub>X are compared: the political decisions, the offered functionality, size of the system, and relative speed.

◀ ConT<sub>E</sub>Xt ▶

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ comparison ▶

copyright

size

speed

functionality

◀ Taco Hoekwater ▶

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# Pretty printing T<sub>E</sub>X METAPOST, Perl and JavaScript

Although for real pretty printing of sources one has to use CWEB like environments, T<sub>E</sub>X can als do a pretty job rather well. The ConT<sub>E</sub>Xt verbatim environment has pretty printing built in. One can either use color or fonts. The latter is used in the MAPS, the former in this article.

◀ verbatim  
◀ METAPOST ▶  
◀ Perl ▶  
JavaScript ▶  
◀ ConT<sub>E</sub>Xt ▶

◀ Hans Hagen ▶

Maps 20 1998

p 286-289  105 kB

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# The Calculator Demo – Integrating T<sub>E</sub>X, METAPOST, JavaScript and PDF

Due to its open character, T<sub>E</sub>X can act as an authoring tool. This article demonstrates that by integrating T<sub>E</sub>X, METAPOST, JavaScript and PDF, one can build pretty advanced documents. More and more documents will get the characteristics of programs, and T<sub>E</sub>X will be our main tool for producing them. The example described here can be produced with pdfT<sub>E</sub>X as well as traditional T<sub>E</sub>X.

◀ METAPOST ▶  
◀ JavaScript ▶  
◀ PDF ▶  
◀ ConT<sub>E</sub>Xt ▶  
◀ pdfT<sub>E</sub>X ▶

◀ Hans Hagen ▶

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# Contending with Office suites

The author is tried beyond endurance by current Office software.

◀ Windows ▶  
suites

wordprocessors

◀ graphics ▶  
export  
import  
OLE  
frogs

◀ Siep Kroonenberg ▶

Maps 20 1998

p 297-298  85 kB

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# 4T<sub>E</sub>X5.0: TDS, Web2c, and Windows 95/NT

*geen samenvatting (no abstract)*

◀ 4T<sub>E</sub>X ▶

◀ Windows ▶

beta preview

◀ Wietse Dol ▶

Maps 20 1998

p 299-301  156 kB

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# Perl and T<sub>E</sub>X a simple application

A simple application where perl is used to extract data from log-files and create output using T<sub>E</sub>X. The perl-scripts in this article run under perl 4.036 and should also run under perl 5.

◀ Perl ▶

◀ T<sub>E</sub>X ▶

application

◀ Gilbert van den Dobbelsteen

Maps 20 1998

p 302-304  126 kB

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## Some funny macro's

Sometimes documents can be enhanced with special typography for the first character or lines of chapters. In this article I present some macros for dropped caps and first line treatment. Although more advanced solutions are possible, the examples show at least how things work. Users can derive their own macros from them.

[dropped caps](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

[first line treatment](#)

[◀ Hans Hagen ▶](#)

Maps 20 1998

[p 305-310](#)  [110 kB](#)

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# ConT<sub>E</sub>Xt — een handleiding

This is the second half of the ConT<sub>E</sub>Xt manual for beginners. Those who want an index and a quick reference guide, can download the complete manual from the NTG server. The layout is adapted to the MAPS layout.

[◀ manual ▶](#)  
[◀ beginner ▶](#)  
[◀ ConT<sub>E</sub>Xt ▶](#)

[◀ Hans Hagen ▶](#)  
[◀ Ton Otten ▶](#)

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Redactioneel (1998/2)

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Parameterized data for tables in T<sub>E</sub>X — Dynamics, aha!

Poor man's cyrillics on a Mac — T<sub>E</sub>Xing English and Russian

Minimal markup — expansion in the gullet, aha!

Catching up — PDF and HTML at the heart

Eenheid in eenheden

The T<sub>E</sub>X backend for Jade and the JadeT<sub>E</sub>X macros

Diversity in math fonts

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# Verslag 21ste ledenvergadering NTG

Opening; Notulen 20ste bijeenkomst; Verslag van de secretaris; Verslag penningmeester en kascontrolecommissie; Bestuursverkiezingen; Erelidmaatschap.

◀ Maarten Gelderman ▶

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# Van de Voorzitter (1998/2)

*geen samenvatting (no abstract)*

◀ Erik Frambach ▶

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# Redactioneel (1998/2)

*geen samenvatting (no abstract)*

◀ Siep Kroonenberg ▶

◀ Taco Hoekwater ▶

Maps 21 1998

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# Het Weten Waard

*geen samenvatting (no abstract)*

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Maps 21 1998

p 4  122 kB

view

# Verslag 21ste bijeenkomst NTG

*geen samenvatting (no abstract)*

◀ Maarten Gelderman ▶

Maps 21 1998

p 5-6  87 kB

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## De NTG en het Internet (1998/2)

De NTG is niet alleen met webpagina's op het Internet aanwezig, maar ook middels een aantal discussielijsten. In dit artikel wordt kort aangegeven wat een discussielijst is, hoe je je aan- en afmeldt en wat je te wachten staat na aanmelding. Tevens wordt een overzicht gegeven van de in Nederland aanwezige T<sub>E</sub>X-gerelateerde lijsten.

[◀ discussionlist ▶](#)

[◀ TEX-NL ▶](#)

[◀ Jules van Weerden ▶](#)

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[p 7-8](#)  [109 kB](#)

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# **T<sub>E</sub>X User Groups around the world**

*geen samenvatting (no abstract)*

◀ **T<sub>E</sub>X user groups** ▶  
◀ **addresses** ▶

◀ **Erik Frambach** ▶

**Maps 21 1998**

**p 9-12**  **316 kB**

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# **T<sub>E</sub>X in 2003: Part I**

Propositions and conjectures on the future of T<sub>E</sub>X. This article was presented at TUG'98 in Torun, Poland.

[◀ T<sub>E</sub>X ▶](#)  
[◀ future ▶](#)  
[proposals ▶](#)

[NTG T<sub>E</sub>X Future working group ▶](#)

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# **T<sub>E</sub>X in 2003: Part II**

Proposal for a standard. This article was presented at TUG'98 in Torun, Poland.

[◀ T<sub>E</sub>X ▶](#)

[◀ future](#)

[◀ proposals](#)

[◀ \special  
standard](#)

[◀ NTG T<sub>E</sub>X Future working group](#)

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## Toolbox: let's keep things plain

This Toolbox follows the eclectic approach that most readers will know from previous ones. Without aiming to give a comprehensive oversight of the logic behind them, I present some plain T<sub>E</sub>X-commands that can be used directly in L<sup>A</sup>T<sub>E</sub>X. As the editors of this journal decided to make English the preferred language for contributions, this column is no longer in Dutch. However, as far as my limited command of the language allows, I will try to keep the tone informal and the discussion accessible to novice users.

◀ plain T<sub>E</sub>X ▶

◀ L<sup>A</sup>T<sub>E</sub>X ▶

integrating

◀ toolbox ▶

◀ Maarten Gelderman ▶

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# The 19th annual T<sub>E</sub>X Users Group Meeting

The 19th annual T<sub>E</sub>X Users Group Meeting took place in Torun, Poland, in August of this year. The following is the impression of the authors who tried to attend all the talks. Unfortunately a couple of the talks were not attended by either of the authors. Apologies to those authors.

◀ TUG conference ▶  
Torun  
◀ Poland ▶

Kaveh Bazargan ▶  
◀ Philip Taylor

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## Parameterized data for tables in T<sub>E</sub>X – Dynamics, aha!

The issue of generating and using parameterized data for tables in T<sub>E</sub>X is elaborated upon. The automatic insertion of markup along with the use of parameterized markup and the `tblr` macro is not the issue, but are prerequisites. `tblr`'s use, along with the automatic insertion of markup in the data as such, can be seen as tools, stepping stones, which made it possible to concentrate on pure data generation, or its use in typesetting tables by T<sub>E</sub>X.

[◀ BLUe ▶](#)

[btable](#)

[code tables](#)

[data generation](#)

[dynamical markup](#)

[parameterization](#)

[◀ tables ▶](#)

[◀ tail recursion ▶](#)

[◀ Kees van der Laan ▶](#)

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[exit](#)

# Poor man's cyrillics on a Mac — T<sub>E</sub>Xing English and Russian

The typesetting in T<sub>E</sub>X of English mixed with Russian is discussed for a Macintosh. Starting from the WNCY-fonts only a few extra control sequences have to be remembered for the keyboarding. The approach is suitable for all machines which have the WNCY-fonts. Email in cyrillics can be handled by formatting via pdfT<sub>E</sub>X and sending the .pdf file as attachment in a MIME message.

◀ cyrillics  
MIME  
Macintosh ▶  
◀ pdfT<sub>E</sub>X ▶

◀ Kees van der Laan ▶

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## Minimal markup — expansion in the gullet, aha!

A plea is made for a reappraisal of T<sub>E</sub>X's capabilities of expansion in the gullet of minimal marked up scripts into complete marked up scripts. Attention is focused on expansion of implicitly marked up table data by spaces and e-o-l-s into data separated by `and` and `,` the abstract but explicit column and row separators, respectively. The ultimate aim is that the processing tool can't be distilled from the ``marked up'` script.

◀ BLUE ▶

◀ crosswords ▶

◀ expansion

fifo

look ahead

◀ minimal markup ▶

◀ mouth processing

preprocessing

◀ tables ▶

◀ tail recursion

◀ Kees van der Laan ▶

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# Catching up — PDF and HTML at the heart

New hardware not only urged me to get T<sub>E</sub>X & Co running again, in a richer environment, but I had also to catch up with developments since. Most noteworthy in relation with T<sub>E</sub>X and documents, are the acceptance of the PDF exchange format and the HTML format, next to the realization of multi-media.

[◀ internet](#)

[◀ HTML ▶](#)

**multi-media**

[◀ PDF ▶](#)

[◀ pdfT<sub>E</sub>X ▶](#)

[◀ PostScript ▶](#)

[◀ WWW](#)

[◀ Kees van der Laan ▶](#)

Maps 21 1998

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# Eenheid in eenheden

In order to support a consistent typography of units in technical documents the ConT<sub>E</sub>Xt module was developed. When this module is loaded all SI-units are available. Seldom used and/or complex units can be defined by the user with the command .

SI-units  
units

◀ ConT<sub>E</sub>Xt ▶

◀ Ton Otten ▶

◀ Hans Hagen ▶

Maps 21 1998

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# The T<sub>E</sub>X backend for Jade and the JadeT<sub>E</sub>X macros

Jade is an implementation of the DSSSL specification, and includes a T<sub>E</sub>X backend; the JadeT<sub>E</sub>X macro package is needed to process the Jade T<sub>E</sub>X output. We describe how Jade and JadeT<sub>E</sub>X work together. This article was written for the newsletter of the International SGML Users Group.

jade  
jadetex  
dsssl

◀ Sebastian Rahtz ▶

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# Diversity in math fonts

We will examine the issues raised when modifying (La)T<sub>E</sub>X fonts within math environments, and attempt to suggest effective means of accessing a larger variety of font options, while avoiding typographic nonsense.

- ◀ math fonts ▶
- fontinst ▶
- ◀ MathTime
- Lucida
- mathptm
- ◀ virtual fonts ▶
- ◀ math fonts ▶
- ◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ Thierry Bouche ▶

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# Van de voorzitter

*geen samenvatting (no abstract)*

◀ Erik Frambach ▶

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# Redactioneel

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◀ Taco Hoekwater ▶

◀ Siep Kroonenberg ▶

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# NTG and T<sub>E</sub>X info

*geen samenvatting (no abstract)*

NTG

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# Letter from Donald Knuth

*geen samenvatting (no abstract)*

◀ NTG logo  
◀ FGBBS ▶

◀ Donald Knuth ▶

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# Bericht van voorheen FGBBS - Voorjaar 1999

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◀ FGBBS  
geschiedenis

◀ Frans Goddijn ▶

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# De NTG en het Internet

De NTG is niet alleen met webpagina's op het Internet aanwezig, maar ook middels een aantal discussielijsten. In dit artikel wordt kort aangegeven wat een discussielijst is, hoe je je aan- en afmeldt en wat je te wachten staat na aanmelding. Tevens wordt een overzicht gegeven van de in Nederland aanwezige T<sub>E</sub>X-gerelateerde lijsten.

NTG discussionlist

◀ discussionlist ▶

◀ TEX-NL ▶

◀ Jules van Weerden ▶

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# Announcing BachoT<sub>E</sub>X'99

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◀ BachoT<sub>E</sub>X  
◀ GUST ▶  
◀ conference ▶  
◀ announcement ▶

◀ Erik Frambach ▶

Maps 22 1999

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# TUG'98, Torun, Polen

*geen samenvatting (no abstract)*

Redactie

Maps 22 1999

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## Gezeefd uit de TEX-NL discussielijst

Dit is het vijfde deel uit een serie die in 1993 door Philippe Vanoverbeke in de MAPS is gestart. Philippe maakte een selectie van berichten uit de TEX-NL lijst. Een aantal oplossingen, hints en gouden tips over onderwerpen waarvan je weleens denkt: ``hoe zat dat ook alweer?’’ In de MAPS van voorjaar 1998 stond deel 4. Voor deze aflevering is een aantal berichten gezeefd uit TEX-NL van maart 1998 tot januari 1999. Met dank aan Piet van Oostrum die opnieuw de meeste antwoorden aandroeg, en aan de andere actieve abonnees van TEX-NL!

[◀ TEX-NL ▶](#)

[◀ guru ▶](#)

[◀ hints ▶](#)

[◀ hack ▶](#)

[◀ bugs ▶](#)

[◀ Frans Goddijn ▶](#)

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# PostScript Fonts op computers?

Dit artikel geeft een korte inleiding in de interne werking van PostScript computer-fonts en hun coderingen. Dit artikel is een aanpassing van een serie slides die gepresenteerd werden op de NTG bijeenkomst van 22 oktober 1998 in Leuven.

◀ fonts ▶  
◀ PostScript fonts

◀ Taco Hoekwater ▶

Maps 22 1999

p 32-36  85 kB

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# How to install a Type1 font using fontinst

In this brief tutorial I will describe how a PostScript Type 1 font can be made available to T<sub>E</sub>X using the fontinst-utility (version 1.8). I will not delve into the technical details of this program or the exact functionality of each of the font files used during this process, as those aspects of font-installation are described in other articles in this issue of MAPS. I will not delve into the advanced features of fontinst either, but rather will provide a hands-on tutorial.

◀ fontinst  
◀ Type 1 fonts ▶  
◀ installation

◀ Maarten Gelderman ▶

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p 37-42  53 kB

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# Installing PostScript Fonts Under Unix/Linux

This article discusses practical issues for installing Adobe PostScript fonts for T<sub>E</sub>X running on Unix/Linux. It also presents a script for automating the installation in order to install a package with over 200 fonts. As a useful side effect, the script creates a font data base and a font catalog to help the buyer/user of the font collection.

[◀ fonts ▶](#)  
[◀ PostScript ▶](#)  
[Linux ▶](#)  
[Adobe ▶](#)  
[dvips](#)  
[◀ GhostScript ▶](#)

[Roland Kwee ▶](#)

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# NFSS: using font families in L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>

This paper gives a brief overview of the L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub> NFSS font machinery and font definition files. It also gives examples of ad-hoc font changes with low-level NFSS commands.

◀ NFSS  
font families  
font attributes

◀ Siep Kroonenberg ▶

Maps 22 1999

p 52-54  42 kB

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# Fonts in ConT<sub>E</sub>Xt

This article is the revised chapter 5 of the ConT<sub>E</sub>Xt reference manual, typeset in the MAPS layout. We will pay attention to all kind of font switching, fine tuning, and also provide some background information. Special attention is paid to the mapping of font names to files and some words are spent on encodings. This text is typeset in Lucida Bright but within the layout specification of the MAPS.

◀ ConT<sub>E</sub>Xt ▶  
◀ fonts ▶  
encodings ▶  
◀ typography ▶

◀ Hans Hagen ▶

Maps 22 1999

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# De Euro in T<sub>E</sub>X

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euro teken  
euro fonts

Hein Laan

Maps 22 1999

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# A short introduction to font characteristics

Almost anyone who develops an interest in fonts is bound to be overwhelmed by the bewildering variety of letterforms available. The number of fonts available from commercial suppliers like Adobe, URW, LinoType and others runs into the thousands. A recent catalog issued by FontShop alone lists over 25.000 different varieties. And somehow, although the differences of the individual letters are hardly noticeable, each font has its own character, its own personality. Even the atmosphere elucidated by a text set from Adobe Garamond is noticeably different from the atmosphere of the same text set from Stempel Garamond. Although decisions about the usage of fonts, will always remain in the realm of esthetics, some knowledge about font characteristics may nevertheless help to create some order and to find out why certain design decisions just do not work. The main aim of this paper is to provide such background by describing the main aspects that might be used to describe a font.

[typefaces](#)

[◀ design ▶](#)

**font classification**

[◀ Maarten Gelderman ▶](#)

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# Introducing Eetex

This article gives an introduction to eetex. Eetex is an extension to e-tex 2.0 that defines a collection of new primitives. Most of these deal with list data structures, but some other things are added as well.

[◀ e-TeX ▶](#)

[eeTeX](#)

[◀ extensions ▶](#)

[◀ SGML ▶](#)

[◀ Taco Hoekwater ▶](#)

[◀ Hans Hagen ▶](#)

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# The pdfT<sub>E</sub>X users manual

*geen samenvatting (no abstract)*

◀ pdfT<sub>E</sub>X ▶  
◀ manual

Hàn Thê Thành  
◀ Sebastian Rahtz  
◀ Hans Hagen ▶

Maps 22 1999

p 94-114  145 kB

# Introducing $\text{V}\text{T}_{\text{E}}\text{X}/\text{Linux}$

This document is a short introduction to  $\text{V}\text{T}_{\text{E}}\text{X}$  for Linux, a partial port of  $\text{V}\text{T}_{\text{E}}\text{X}$  that is free for non-commercial use. The most interesting feature of the compiler is the use of PDF as a backend instead of DVI.

$\text{V}\text{T}_{\text{E}}\text{X}$  ▶  
◀ Linux ▶  
◀ port  
MicroPress

◀ Taco Hoekwater ▶  
Michael Vulis ▶

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p 115-116  30 kB



# Introducing GeX

This is a short introduction to the pilot release of GeX. GeX is the most rapidly evolving part of  $\text{V}\text{T}_{\text{E}}\text{X}$ ; more detailed documentation is available in the distribution of  $\text{V}\text{T}_{\text{E}}\text{X}$ . This article specifically describes GeX as implemented in the public domain version of  $\text{V}\text{T}_{\text{E}}\text{X}/\text{Linux}$ . While the same or additional features may be available in the commercial Windows version, we describe what exists in the freely downloadable version. For information on downloading  $\text{V}\text{T}_{\text{E}}\text{X}/\text{Linux}$  see the NTG web site or the article in this MAPS issue.

[◀ PDF ▶](#)

[inline graphics](#)

[EPS inclusion ▶](#)

[GeX](#)

[◀  \$\text{V}\text{T}\_{\text{E}}\text{X}\$](#)

[◀ Taco Hoekwater ▶](#)

[◀ Michael Vulis ▶](#)

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# 4Spell, a spell-checker for Windows 95/98/NT

In this paper we will describe the features of 4Spell 1.1, a Windows spell-checker for T<sub>E</sub>X documents. Since there aren't many good spell-checkers around and since 4Spell only works on Windows platforms, we will also explain how the spell-checking is done. This should make it possible to write a spell-checker for other platforms (why not use perl and become platform independent :-). 4Spell is part of the new 4T<sub>E</sub>X for Windows (release expected by the end of March 1999). We realized, however, that this tool could be useful for people who do not want to use 4T<sub>E</sub>X and hence we made it a stand-alone freeware program.

4spell

◀ 4T<sub>E</sub>X ▶

◀ spell checker

◀ Wietse Dol ▶

◀ Erik Frambach ▶

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# 4Project: a project manager for T<sub>E</sub>X

A new project manager, 4Project, analyses your T<sub>E</sub>X document and gives you easy access to any item in it.

◀ Erik Frambach ▶

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# How Perl can help T<sub>E</sub>X

Perl may be an easy interface to T<sub>E</sub>X when it comes to repetitive tasks, like writing letters, creating reports from databases, and many more. This article shows how Perl can be used to generate many similar pictures via the style

◀ Perl ▶  
mfpic  
mkpic

◀ Wybo Dekker ▶

Maps 22 1999

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# Is T<sub>E</sub>X Y2K-compliant?

Will T<sub>E</sub>X and related programs continue to work properly after the year 2000? This article describes how T<sub>E</sub>X deals with dates and how this affects its behavior after the year 2000.

millennium  
Y2K

◀ Erik Frambach ▶

Maps 22 1999

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# A Database for PPCH<sub>T</sub>E<sub>X</sub>

A database with PPCH<sub>T</sub>E<sub>X</sub> code would ease the work for those who have to draw chemical formulas only occasionally and have no time to become acquainted with it. But experts could also make use of it. The establishing of such a database is discussed and proposed.

◀ PPCH<sub>T</sub>E<sub>X</sub>

◀ chemistry

◀ structure formulas

◀ databases

Richard Müller

Maps 22 1999

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# Beginnen met ConT<sub>E</sub>Xt

*geen samenvatting (no abstract)*

◀ ConT<sub>E</sub>Xt ▶  
tutorial ▶

Berend de Boer ▶

Maps 22 1999

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## Optimizing T<sub>E</sub>X code

Macros can be collected in macro packages. These packages can be stored in a form that permits fast loading. Although T<sub>E</sub>X is already pretty fast, for demanding applications it makes sense to speed up T<sub>E</sub>X to the max. Switching to e-T<sub>E</sub>X and beyond is one way to achieve this, another way can be found in optimizing the macro code by means of a dedicated program. Currently the combination of both can speed up T<sub>E</sub>X runs by at least 10%.

[speeding up](#)

[◀ format](#)

[optimizing code](#)

[◀ e-T<sub>E</sub>X ▶](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

[◀ Hans Hagen ▶](#)

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# Tabulating in ConT<sub>E</sub>Xt

This article describes the ConT<sub>E</sub>Xt tabulate environment, which can be used to typeset tables that are part of the text flow. This mechanism differs from the TaBIE based table mechanism, but recognizes the same preamble commands. It offers automatic width calculations when typesetting (multiple) paragraphs in tables and splits the tables over pages.

[◀ tables](#)  
[◀ alignment](#)  
[◀ ConT<sub>E</sub>Xt ▶](#)

[◀ Hans Hagen ▶](#)

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# Bug or Feature? — misleading font messages

T<sub>E</sub>X error messages and warnings are not always that clear. Sometimes confusion is due to optimizations in T<sub>E</sub>X the program. We will discuss the noty always honest .

◀ fonts ▶  
error messages

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶

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# Don't give authors the class files!

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publishing

◀ Kaveh Bazargan

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## Robin Williams over typografie — een dame geeft raad

Tijdens de heuglijke NTG-dag in het vorstelijke Leuven vond ik op de boekentafel van Addison-Wesley twee leuk uitziende boeken over typografie en ontwerp. Mooie, knalgele boekjes die even onderhoudend als leerzaam bleken, geschreven door Robin Williams: en . Ik sla er één voor u open.

◀ typography ▶  
◀ fonts ▶  
◀ design expert  
◀ book review ▶

◀ Frans Goddijn ▶

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# Typography to a purpose

This paper shows some real-life examples of typography, some good, some not so good. We shall have a look at what is on the page and speculate about what the publisher or designer is trying to accomplish.

# Report on T<sub>E</sub>X-Tagung Dante'99 in Dortmund

A report on Dante's 20th meeting which took place in Dortmund. The future of the NTS project and the e-T<sub>E</sub>X project were hot issues that were discussed during this meeting.

◀ report ▶  
◀ Dante  
◀ NTS ▶  
◀ e-T<sub>E</sub>X

◀ Erik Frambach ▶  
◀ Taco Hoekwater ▶  
◀ Siep Kroonenberg ▶

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The NTG MAPS bibliography — from SGML to T<sub>E</sub>X to PDF

4T<sub>E</sub>X 5.0 for Windows and the 4allT<sub>E</sub>X CDroms

Toolbox: the toolbox?

Maak een logo met behulp van literate programming

Zet tekst op een vaste plaats op een bladzijde

DTP with T<sub>E</sub>X

Het gebruik van KIX (tm) in T<sub>E</sub>X

An Extended Maths Font Set for Processing MathML

T<sub>E</sub>X as presentation tool — an introduction to the ConT<sub>E</sub>Xt presentation environments

Typesetting flow charts — let T<sub>E</sub>X and METAPOST do the job

ASCII editors for T<sub>E</sub>X on MS-Windows

Using Emacs and AucT<sub>E</sub>X for preparing L<sup>A</sup>T<sub>E</sub>X documents

Tools for PostScript and PDF

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

◀ Siep Kroonenberg ▶

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# NTG and T<sub>E</sub>X info

*geen samenvatting (no abstract)*

◀ NTG bestuur ▶

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# De NTG en het Internet (1999/2)

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◀ Maarten Gelderman ▶

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# **T<sub>E</sub>X User Groups around the world**

*geen samenvatting (no abstract)*

◀ **T<sub>E</sub>X user groups** ▶  
◀ **addresses**

◀ **Erik Frambach** ▶

Maps 23 1999

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# TUG'99, Vancouver

*geen samenvatting (no abstract)*

◀ T<sub>E</sub>X user groups ▶  
Vancouver  
◀ TUG conference

◀ Siep Kroonenberg ▶

Maps 23 1999

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## Gezeefd uit de TEX-NL discussielijst

Dit is het zesde deel uit een serie die in 1993 door Philippe Vanoverbeke in de MAPS is gestart. Philippe maakte een selectie van berichten uit de TEX-NL lijst. Een aantal oplossingen, hints en gouden tips over onderwerpen waarvan je weleens denkt: ``hoe zat dat ook alweer?’’ In de MAPS van najaar 1998 stond deel 5. Voor deze aflevering is een aantal berichten gezeefd uit TEX-NL van maart 1999 tot juli 1999.

◀ TEX-NL ▶

◀ guru

◀ hints

◀ hack

◀ bugs ▶

◀ Frans Goddijn ▶

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# The NTG MAPS bibliography – from SGML to T<sub>E</sub>X to PDF

A few years ago, the NTG decided to put their MAPS volumes on the internet in the PDF file format. At about the same time, it was decided to build the associated bibliography in such a way that it could be used to produce both a HTML and PDF document. Recently, the MAPS bibliography has been converted to a proper XML document source. In the process, the descriptions were made as consistent as possible. The XML source was used as input for a PDF document, that provides extensive browse and search options. This PDF file, along with the MAPS articles, is provided to NTG members as an additional service. In this article the electronic NTG MAPS will be presented and the specific characteristics of the production process will be explained. Also, some of the complicating aspects will be discussed. I assume that the reader is familiar with SGML and T<sub>E</sub>X. The focus will be on the interface between SGML, T<sub>E</sub>X and PDF.

- ◀ CDROM
- ◀ ConT<sub>E</sub>Xt ▶
- ◀ NTG
- ◀ MAPS
- ◀ PDF ▶
- ◀ SGML
- ◀ XML ▶

◀ Hans Hagen ▶

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# 4T<sub>E</sub>X 5.0 for Windows and the 4allT<sub>E</sub>X CDroms

Every year many software distributors launch a new version of their software products. They all tell you that there are fundamental improvements and bug fixes and that you have to upgrade immediately. With the release of edition 5 of 4allT<sub>E</sub>X you could ask yourself what this new edition offers as compared to e.g. the older versions of 4allT<sub>E</sub>X and the T<sub>E</sub>X-live CDrom. Below we will give a summary of all of the goodies of the new 4allT<sub>E</sub>X distribution and give you pointers to the internet where you can find more information.

◀ 4T<sub>E</sub>X ▶

◀ 4allT<sub>E</sub>X ▶

◀ Windows ▶

◀ software

◀ Wietse Dol

◀ Erik Frambach ▶

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## Toolbox: the toolbox?

This MAPS is about the T<sub>E</sub>X Toolbox, about other programs than T<sub>E</sub>X itself. So this MAPS's toolbox should probably deal with this kind of material. As a consequence this toolbox is even more eclectic than earlier ones. First I will show you how I make mailings to NTG-members, by combining Excel and L<sup>A</sup>T<sub>E</sub>X. Next I will present the most ugly regular expression I know of, and finally I will say something about using makefiles.

◀ mail-merge  
regular expressions

◀ emacs ▶

Excel  
makefiles

◀ toolbox ▶

◀ Maarten Gelderman ▶

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# Maak een logo met behulp van literate programming

In dit artikel wordt beschreven hoe de `literate` techniek gebruikt kan worden om complexe taken uit te voeren en te documenteren. Als voorbeeld wordt een logo ontworpen met behulp van de gereedschappen AWK, `picTeX` en `LATEX`.

[◀ literate programming](#)

[◀ WEB ▶](#)

[Nuweb](#)

[◀ logos](#)

[Paul Huygen ▶](#)

Maps 23 1999

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# Zet tekst op een vaste plaats op een bladzijde

In dit artikel is beschreven hoe een L<sup>A</sup>T<sub>E</sub>X probleem werd opgelost door het aan de T<sub>E</sub>X kopstukken voor te leggen via de NTG mailing list. Het concrete L<sup>A</sup>T<sub>E</sub>X probleem was het plaatsen van tekst op een vaste plaats op een bladzijde.

# DTP with T<sub>E</sub>X

A set of simple macros is presented, in the style of modular programming, to make it easy to put texts at arbitrary positions on the page, without being restricted by formatting rules. This is not only useful for single-page documents like announcements and business cards, but also for designing stationery with letterheads or printing labels. The method is based on putting kerned texts in boxes with zero horizontal and vertical size and staying in vertical mode. This works with plain, and any other, T<sub>E</sub>X and can be combined with any other document formatting.

[programming](#) ▶

◀ [DTP](#)

[vertical mode](#)

◀ [Roland Kwee](#)

[Maps 23 1999](#)

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# Het gebruik van KIX (tm) in T<sub>E</sub>X

Recentelijk introduceerde de Nederlandse PTT de zogenaamde KIX (tm)-code. Deze KlantIndex is een streepjescode die gebruikt wordt ten behoeve van de automatische verwerking van poststukken. In dit artikel laat ik zien hoe KIX met relatief weinig moeite gebruikt kan worden binnen T<sub>E</sub>X en L<sup>A</sup>T<sub>E</sub>X.

KIX  
font ►  
barcode  
PTT

◀ Maarten Gelderman ▶

Maps 23 1999

p 75-76  30 kB

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# An Extended Maths Font Set for Processing MathML

Last years autumn, work started on a new set of mathematical fonts that are intended to cover the full range of characters included in MathML as well as those included in the proposals for mathematical extensions in the next version of Unicode. This paper presents the first result of that work: A new Times-compatible maths font set consisting of about 1500 symbols and a few alphabets; along with a collection of T<sub>E</sub>X macros to use them. These fonts are donated to the public domain by Kluwer Academic Publishers and are available in both METAFONT source and Adobe Type 1 formats.

[◀ math ▶](#)

[◀ fonts ▶](#)

[◀ PostScript ▶](#)

[◀ METAFONT ▶](#)

[◀ Taco Hoekwater ▶](#)

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# **T<sub>E</sub>X as presentation tool — an introduction to the ConT<sub>E</sub>Xt presentation environments**

In this article I will introduce a few styles I wrote on behalf of presentations. These styles are part of the ConT<sub>E</sub>Xt distribution and can serve as an example of defining layouts in this macro package. More details can be found in the documented styles.

◀ ConT<sub>E</sub>Xt ▶  
presentation  
◀ slides ▶  
◀ transparencies  
◀ PDF ▶

◀ Hans Hagen ▶

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# Typesetting flow charts — let T<sub>E</sub>X and METAPOST do the job

This article presents the ConT<sub>E</sub>Xt module that deals with flowcharts and related types of charts. The charts are drawn at run—time by METAPOST in close cooperation with T<sub>E</sub>X. This not only gives us rather good graphics, but also provides a seamless integration of flow charts in documents, including hyperlink support and other fancy features.

[flowcharts](#) ▶  
◀ [graphics](#) ▶  
charts  
◀ [METAPOST](#) ▶  
◀ [T<sub>E</sub>X](#) ▶

◀ [Hans Hagen](#) ▶

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# ASCII editors for T<sub>E</sub>X on MS-Windows

There are many good ASCII editor programs available for T<sub>E</sub>X-users using MS-Windows. However, they all have there strong points and their weaknesses. In this article I will discuss a few of them.

[ASCII editors](#)  
[◀ Windows ▶](#)  
[◀ comparison](#)

[◀ Erik Frambach ▶](#)

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# Using Emacs and AucTeX for preparing L<sup>A</sup>T<sub>E</sub>X documents

Users of T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X can be helped very much by an editor that knows about the specifics of these packages. For instance it can do syntax coloring so that the user sees immediately the difference between normal text and T<sub>E</sub>X commands; it can insert skeletons for often used commands and environments in order to prevent missing elements (e.g. missing \end parts), etc. This article describes the use of the Emacs editing environment with the AucTeX package for the preparation of L<sup>A</sup>T<sub>E</sub>X documents. The main characteristics of Emacs are discussed, followed by a more detailed description of the facilities that AucTeX offers to assist the author of L<sup>A</sup>T<sub>E</sub>X documents. Finally we describe how AucTeX can be customized to support your own or external commands and L<sup>A</sup>T<sub>E</sub>X packages.

[← emacs](#)

[AucTeX](#)

[← L<sup>A</sup>T<sub>E</sub>X ►](#)

[← T<sub>E</sub>X ►](#)

[← packages ►](#)

[← editing](#)

[← Piet van Oostrum ►](#)

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# Tools for PostScript and PDF

This paper explains why PostScript is interesting for T<sub>E</sub>X users, and describes various tools for working with PostScript, with special attention to GhostScript. The paper concludes with a section on PDF, the derivative of PostScript which is destined to take over much of the role of PostScript in the prepress workflow.

- ◀ PostScript ▶
- DSC comments
- ◀ PDF ▶
- ◀ GhostScript
- ◀ graphics ▶
- ◀ conversion
- ◀ EPS inclusion
- bounding box

◀ Siep Kroonenberg ▶

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L<sup>A</sup>T<sub>E</sub>X met één toets vanuit vi

Building a T<sub>E</sub>X installation for distribution

Typesetting modern & contemporary poetry with L<sup>A</sup>T<sub>E</sub>X

The Design and Use of a Multiple-Alphabet Font with Omega

T<sub>E</sub>X in Polish

Toolbox

Making stand alone METAPOST graphics

Typesetting CD labels

The ultimate loop macro

Annotating presentations

Postprocessing PDF files—an application of T<sub>E</sub>Xexec and pdfT<sub>E</sub>X

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# Redactioneel

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◀ Siep Kroonenberg ▶

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# NTG- en T<sub>E</sub>X Info

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◀ NTG bestuur

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# Praten met drukkers — Een coproductie van de MAPS-redactie en het NTG-bestuur

Een beschrijving van de perikelen rondom het aanleveren van PostScript output aan een drukker.

drukkers  
◀ PostScript ▶  
◀ DocuTech

◀ Maarten Gelderman ▶

Maps 24 2000

p 3-6  49 kB

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# L<sup>A</sup>T<sub>E</sub>X met één toets vanuit vi

De ontstaansgeschiedenis van een shell script om vanuit vi met één toets L<sup>A</sup>T<sub>E</sub>X op te roepen en, indien nodig, xdvi te starten voor het previewen.

shell script

vi

◀ L<sup>A</sup>T<sub>E</sub>X ▶

Unix ▶

Sven A. Bovin

Maps 24 2000

p 7-8  37 kB

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# Building a T<sub>E</sub>X installation for distribution

At Kluwer Academic Publishers we use T<sub>E</sub>X for typesetting journals. Since there are obvious advantages to using a standardized distribution, we provide our typesetters with one on CD. This article describes the principles of this setup.

[texmf tree](#)  
[◀ Windows](#)  
[◀ Linux](#)  
[◀ Perl](#)  
**Configuration**

[◀ Siep Kroonenberg ▶](#)

Maps 24 2000

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# Typesetting modern & contemporary poetry with L<sup>A</sup>T<sub>E</sub>X

T<sub>E</sub>X: a typesetting engine limited to scientific publishing? Where would be the fun?

poetry

◀ Thierry Bouche

Maps 24 2000

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# The Design and Use of a Multiple-Alphabet Font with Omega

The Omega project aims to offer open and flexible means for typesetting different scripts. By working at several different levels, it is possible to offer natural support for different languages and scripts, and strictly respect typographical traditions for each of them. This is illustrated with a large PostScript Type 1 font for the commonly used left-to-right non-cursive alphabets, called (Omega Latin-Greek-Cyrillic). This font, which more than covers the Unicode sections pertaining to those alphabets, as well as those of IPA, Armenian, Georgian and Tifinagh (Berber), is built—virtually—out of smaller glyph banks. The Omega typesetting engine, based on that of T<sub>E</sub>X, is used to print documents using this font. The characters can be accessed either directly, or through the use of filters, called Omega Typesetting Processes (OTPs), which are applied to the input stream.

Omega ►  
Multiple-Alphabet Font  
omlgc

◀ Yannis Haralambous  
John Plaice

Maps 24 2000

p 27-37  168 kB

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# **T<sub>E</sub>X in Polish**

Writing in Polish with T<sub>E</sub>X requires a few tricks. In Polish you need several accents that are often not available in `standard' fonts. Some T<sub>E</sub>X macros can solve this problem more or less. We will show the pros and cons. Another `problem' is input encoding. One can use 8-bit input in combination with the corresponding codepage definition, or a 7-bit encoding with a few extras to make typing easier. Both methods will be discussed. This article reflects the content of a lecture held at the NTG meeting on 11 November 1999.

**Polish  
ogonek  
input encoding**

**◀ Erik Frambach ▶**

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## Toolbox

This toolbox contains some varia. First I discuss some reactions on remarks I made in an earlier toolbox. Next, Hans Hagens is used in the following section to create EPS and PDF files from METAPOST source. Files created this way are often more usefull than the EPS files METAPOST itself creates. How to prepare a single source file for usage with both traditional  $\text{T}_\text{E}\text{X}$  and  $\text{pdfT}_\text{E}\text{X}$  is discussed next. I also show how easy it is to set up a font different from Computer Modern for typesetting simple mathematics, pay some attention to a failed attempt to install a TrueType font and present a small PostScript header file that can be used to produce watermarks.

[make](#) ▶

[texexec](#) ▶

◀ [PDF](#) ▶

◀ [EPS](#)

◀ [math fonts](#) ▶

◀ [toolbox](#)

◀ [Maarten Gelderman](#) ▶

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## Making stand alone METAPOST graphics

When a METAPOST graphic uses fonts, the PostScript file is not self contained and hardly usable outside T<sub>E</sub>X. One can however use T<sub>E</sub>X itself, or actually pdfT<sub>E</sub>X, to create such a graphic. Although this method uses an ConT<sub>E</sub>Xt module, the solution provided here is independant of this macro package. The macros responsible for the process are collected in the file .

◀ METAPOST ▶

◀ PDF ▶

◀ pdfT<sub>E</sub>X ▶

◀ Hans Hagen ▶

Maps 24 2000

p 44-45  36 kB

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# Typesetting CD labels

Now that CD burners are becoming standard equipment in personal computers, there is a need for software to typeset CD labels. Of course, one can just squeeze a normal paragraph of text in the confines of a label, but it would be much more elegant to set the text to use all the available space. In this short article I will explain the macros that I wrote during a Christmas holiday, and that contain a few neat tricks.

**CDROM labels**

**\parshape**

◀ **Victor Eijkhout** ▶

**Maps 24 2000**

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# The ultimate loop macro

The plain T<sub>E</sub>X format contains a `\loop` macro that has been a source of frustration and puzzlement to users ever since. Its syntax is somewhat strange, you have to insert an `\if...` condition in it but cannot use `\else`, and nested use of the macro runs into various problems. In this article I will describe my own improved loop macro, which I've called `\repeat` to prevent confusion.

◀ programming ▶  
loop macro

◀ Victor Eijkhout

Maps 24 2000

p 49-51  38 kB

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# Annotating presentations

Today most presentations are enlightened by text shown on transparencies or using video beamers. This text is often rather limited in size. In this article I present a method of annotating pages that can be used with the ConT<sub>E</sub>Xt presentation styles.



# Postprocessing PDF files—an application of T<sub>E</sub>Xexec and pdfT<sub>E</sub>X

This article introduces some ways to manipulate PDF files using pdfT<sub>E</sub>X, ConT<sub>E</sub>Xt, and T<sub>E</sub>Xexec. The method described here can be used for arbitrary PDF input, given that it can be handled by pdfT<sub>E</sub>X.

◀ PDF ▶  
postprocessing  
◀ texexec  
◀ pdfT<sub>E</sub>X ▶

◀ Hans Hagen ▶

Maps 24 2000

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# Literate Programming

This article is a short introduction to the theory and practice of a programming style known as Literate Programming; a style that changes the focus of writing programs away from telling a computer what to do and toward explaining to a person what it is we are telling the computer to do. Literate Programming overcomes the limitations inherent in presenting traditionally structured program text. Using a balanced mix of informal and formal methods, literate programs are presented in a way suited for human understanding. Processing a literate program source results in both a nicely typeset document describing the parts of the program in an order that elucidates their design, and source code in an order in which it will compile.

Michael A. Guravage

Maps 24 2000

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# L<sup>A</sup>T<sub>E</sub>X in proper ConT<sub>E</sub>Xt

If you are a L<sup>A</sup>T<sub>E</sub>X user, switching to an entirely different macro-package is a very big step. Everything you put so much effort in to learn, doesn't work anymore. To help lessen the pain for users make the switch, this document shows short L<sup>A</sup>T<sub>E</sub>X code snippets and how you do the same in ConT<sub>E</sub>Xt.

◀ ConT<sub>E</sub>Xt ▶

◀ tutorial ▶

◀ Berend de Boer ▶

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Gezeefd uit de TEX-NL discussielijst  
Toolbox: een syllabus  
The T<sub>E</sub>XLive CDROM  
pdfT<sub>E</sub>X's little secret  
Typesetting pdf annotations  
Hanging punctuation, a pdfT<sub>E</sub>X microtypographic extension  
Antykwa Półtawskiego: a parameterize outline font  
A macro routine for writing text along a path in METAPOST  
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# Redactioneel

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◀ Siep Kroonenberg ▶  
Sven Bovin

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# EuroT<sub>E</sub>X2001 conference

Announcement of the 12th European T<sub>E</sub>X Conference, which will be held in Kerkrade in the Netherlands, from 23 to 27 September 2001. The theme is ``T<sub>E</sub>X and Meta: the Good, the Bad and the Ugly Bits''.

◀ EuroT<sub>E</sub>X  
◀ conference

◀ Erik Frambach ▶

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# De NTG en het Internet

De NTG is niet alleen met webpagina's op het Internet aanwezig, maar ook middels een aantal discussielijsten. In dit artikel wordt kort aangegeven wat een discussielijst is, hoe je je aan- en afmeldt en wat je te wachten staat na aanmelding. Tevens wordt een overzicht gegeven van de in Nederland aanwezige T<sub>E</sub>X-gerelateerde lijsten.

[discussielijsten](#) ▶

◀ [TEX-NL](#) ▶

◀ [Jules van Weerden](#) ▶

◀ [Maarten Gelderman](#) ▶

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# **T<sub>E</sub>X user groups around the world**

A list of all T<sub>E</sub>X user groups currently known to us.

[user groups ▶](#)

[◀ Erik Frambach ▶](#)  
[◀ Siep Kroonenberg ▶](#)

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# Nieuws van CTAN

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief. Het is de bedoeling om in elke MAPS zo'n artikel te plaatsen. Ik zal hierbij één of meer bijdragen wat uitvoeriger beschrijven en andere bijdragen kort noemen. De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven. De uitgebreidere bijdragen zijn ook geen handleidingen. Beschouw het maar als een soort menukaart die de bedoeling heeft om de lezer te laten watertanden.

[◀ T<sub>E</sub>X ▶](#)[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)[◀ packages ▶](#)[◀ CTAN ▶](#)[◀ proceedings ▶](#)[◀ Piet van Oostrum ▶](#)

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# ConT<sub>E</sub>Xt en pdfT<sub>E</sub>X

In deze sectie zal het laatst bekende nieuws op het gebied van pdfT<sub>E</sub>X en ConT<sub>E</sub>Xt aan de inner crowds worden ontfutseld. In deze eerste aflevering komt aan bod wat de laatste versies van pdfT<sub>E</sub>X en ConT<sub>E</sub>Xt zijn. En tevens waar je ze kunt halen. En verder in iedere aflevering een ConT<sub>E</sub>Xt tip: vandaag over het produceren van A5 boekjes die op A4 worden afgedrukt.

◀ ConT<sub>E</sub>Xt ▶  
pdf(e)-T<sub>E</sub>X  
installatie  
nieuws

◀ Berend de Boer ▶

Maps 25 2000

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## Gezeefd uit de TEX-NL discussielijst

This is part seven in a series of articles started in 1993 by Philippe Vanoverbeke. Philippe selected a number of messages from the TEX-NL mailing list which deserved to be remembered and lookup up by readers of MAPS. Solutions, hints and tips. MAPS of fall 1999 had part 5. This installment more or less covers august 1999 through july 2000. During a hectic year I had missed most messages and working through the backlog for this article provided me with a useful and time consuming opportunity to see what I would have missed otherwise. Questions and answers are marked in twins but sometimes a reply poses a new question, invoking one more answer, making for an instructive thread. As before, honorary member Piet van Oostrum, and also Hans Hagen are always helpful members of the list. To them and all the others feeding the list with their stimulating questions and helpful answers thanks!

◀ TEX-NL  
◀ discussielijsten

◀ Frans Goddijn ▶

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## Toolbox: een syllabus

In deze toolbox wordt een voorbeeld besproken van een redelijk omvangrijk L<sup>A</sup>T<sub>E</sub>X-document. Het nut van de verschillende packages komt aan de orde en er wordt tevens besproken hoe de packages worden gebruikt in het document zelf en welke opties daarvoor in de preamble moeten worden opgenomen.

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ packages ▶

praktijkvoorbeeld

◀ Maarten Gelderman

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# The T<sub>E</sub>XLive CDROM

Recently all NTG members received the latest T<sub>E</sub>XLive cdrom. This article describes a quick and efficient method of installing the content of the T<sub>E</sub>X repository. Since you can download the latest cdrom image via the internet, you can also use this method for occasional updates.

T<sub>E</sub>X Live

◀ Unix

◀ Wybo Dekker ▶

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# pdfT<sub>E</sub>X's little secret

It is no secret that pdfT<sub>E</sub>X introduces new primitives, but some of them are less known than others. In this article I will describe an example of the use of `\pdfsavepos cum suis`. We will investigate their usage by implementing a simple emT<sub>E</sub>X specials simulator.

pdf ▶  
◀ pdfT<sub>E</sub>X ▶  
◀ ConT<sub>E</sub>Xt ▶  
◀ emT<sub>E</sub>X  
specials  
positioning

◀ Hans Hagen ▶

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# Typesetting pdf annotations

This article describes how to use pdf $\TeX$  to typeset annotations added to pdf documents. This method uses Con $\TeX$ t but can be applied to any valid pdf document.

[◀ pdf ▶](#)  
[fdf](#)  
**annotations**  
[◀ pdf \$\TeX\$  ▶](#)  
[◀ Con \$\TeX\$ t ▶](#)

[◀ Hans Hagen ▶](#)

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# Hanging punctuation, a pdf $\TeX$ microtypographic extension

At the time of this writing, Hàn Thê Thành is writing his thesis, wherein he explains in great detail two extensions to  $\TeX$ 's typesetting engine. In this article we will explore marginal kerning, or character protruding. We will demonstrate the effects and introduce the new primitives, as well as explain how to enable this feature in Con $\TeX$ t.

micro typography  
margins  
kerning  
◀ pdf $\TeX$  ▶  
◀ Con $\TeX$ t ▶

◀ Hans Hagen ▶

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# Antykwa Półtawskiego: a parameterize outline font

The implementation of the Antykwa Półtawskiego font in METAPOST and its conversion to PostScript Type1 outline font.

Antykwa Półtawskiego

◀ fonts ▶

◀ Type 1 fonts ▶

◀ METAFONT ▶

◀ METAPOST ▶

◀ Bogusław Jackowski ▶

Janusz Nowacki ▶

Piotr Strzelczyk ▶

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# A macro routine for writing text along a path in METAPOST

In this article we show a general macro written in `for` for putting `text` using `font` over `path`. The routine will be explained in detail and some graphics will be included for clarifying purposes. Very special thanks are due to Maarten Gelderman who has made the final translation with the biggest care and interest.

TXP  
◀ METAPOST ▶  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
METAGRAF  
awk  
◀ T<sub>E</sub>X ▶

Santiago Muelas

Maps 25 2000

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## MetaFun, Chapter 3: Embedded graphics

This article is a nearly 100% copy of chapter 3 of the MetaFun manual. This chapter discusses a few alternative ways to define and include METAPOST graphics in a document. This article contains some colors, so if you want to get the real picture, you should fetch the MetaFun manual from [www.pragma-ade.com](http://www.pragma-ade.com) (beta manual download page). The MetaFun macros (METAPOST as well as T<sub>E</sub>X) are part of the regular ConT<sub>E</sub>Xt distribution.

◀ METAPOST ▶  
MetaFun ▶  
◀ ConT<sub>E</sub>Xt ▶  
◀ graphics ▶

◀ Hans Hagen ▶

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Typography and production of manuscripts and incunabula  
Reintroducing type 3 fonts to the world of T<sub>E</sub>X  
Literate Programming, not just another pretty face

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*geen samenvatting (no abstract)*

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# A note about the design of the Proceedings

*geen samenvatting (no abstract)*

# Pattern Generation Revisited

The program PatGen, being nearly twenty years old, doesn't suit today's needs: it is nearly impossible to make changes, as the program is highly optimised (like T<sub>E</sub>X); it is limited to eight-bit encodings; it uses static data structures; reuse of the pattern technique and packed trie data structure for problems other than hyphenation (context dependent ligature handling, spell checking, Thai syllabification, etc) is cumbersome. Those and other reasons explained further in the paper led us to the decision to reimplement PatGen from scratch in an object-oriented manner (like NTS - New Typesetting System reimplementaion of T<sub>E</sub>X) and to create the PATtern LIBrary PatLib and the (hyphenation) pattern generator based on it. We argue that this general approach allows the code to be used in many applications in computer typesetting area, in addition to those of pattern recognition, which include various natural language processing, optical character recognition, and others.

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◀ [hyphenation](#) ▶  
[tagging](#)  
[transformation](#)  
◀ [Omega](#) ▶  
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[PatLib](#)  
[reimplementation](#)  
[templates](#)  
[C++](#) ▶

**David Antoš**  
**Petr Sojka**

Maps 26 2001

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# Use of T<sub>E</sub>X plugin technology for displaying of real-time weather and geographic information

In this article we show how by means of the GeX plugin technology one can process and display geographic information including real-time weather data as part of a T<sub>E</sub>X to PDF compilation.

S. Austin  
D. Menshikov  
◀ Michael Vulis

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## **T<sub>E</sub>Xlib: a T<sub>E</sub>X reimplementation in library form**

I first came across the need for a T<sub>E</sub>X in library form when I was thinking about developing a graphical real-time front-end to T<sub>E</sub>X (the T<sub>E</sub>XPerfect project, more info at <http://texperfect.sourceforge.net>). A quick survey (on the `comp.text.tex` newsgroup) showed that other projects could have benefited from a library providing T<sub>E</sub>X typesetting capabilities, and I thus decided to develop T<sub>E</sub>Xlib as a separate project from T<sub>E</sub>XPerfect. A `call for developers' on the same newsgroup provided the project with developers/consultants/helpers.

**Giuseppe Bilotta** ▶

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# From database to presentation via XML, XSLT and ConT<sub>E</sub>Xt

Much data exists only in databases. A familiar example is an address list. Every once in a while this data must be presented to humans. To continue with the address list example, annually an address list must be printed and mailed. In this article I attempt to given an exhaustive overview of going from structured data through ConT<sub>E</sub>Xt to output.

◀ Berend de Boer

Maps 26 2001

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# Usage of MathML for paper and web publishing

The Mathematical Meta Language (MathML) of the World Wide Web Consortium (W3C) based on XML has gained more support in the last months. Looking at the W3C's list of software which supports MathML one sees that the number of applications which can produce MathML is rather long, but the list of applications supporting typesetting of MathML is rather short.

**Tobias Burnus**

**Maps 26 2001**

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# The Euromath System — a structured XML editor and browser

The Euromath System is an XML WYSIWYG structured editor and browser with the possibility of T<sub>E</sub>X input/output. It was developed within the Euromath Project and funded through the SCIENCE programme of the European Commission. Originally, the core of the Euromath System was based on the commercial SGML structured editor Grif. At present, the Euromath System is in the final stage of re-implementation based upon the public domain structured editor Thot and XML. During the re-implementation process several principal differences between the basic features of Thot and the basic purposes of the Euromath System had to be resolved.

structured editing

◀ T<sub>E</sub>X ▶

◀ XML ▶

J. Chlebíková

J. Guričan

M. Nagy

I. Odrobina

Maps 26 2001

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# Instant Preview and the T<sub>E</sub>X daemon

Instant Preview is a new package, for use with Emacs and xdvi, that allows the user to preview instantly the file being edited. At normal typing speed, and on a 225MHz machine, it refreshes the preview screen with every keystroke. Instant Preview uses a new program, dvichop, that allows T<sub>E</sub>X to process small files over 20 times quicker than usual. It avoids the overhead of starting T<sub>E</sub>X. This combination of T<sub>E</sub>X and dvichop is the T<sub>E</sub>X daemon. One instance of the T<sub>E</sub>X daemon can serve many programs. It can make T<sub>E</sub>X available as a callable function. It can be used as the formatting engine of a WYSIWYG editor. This talk will demonstrate Instant Preview, describe its implementation, discuss its use with L<sup>A</sup>T<sub>E</sub>X, sketch the architecture of a WYSIWYG T<sub>E</sub>X, and call for volunteers to take the project forward.

◀ Jonathan Fine

Maps 26 2001

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## **T<sub>E</sub>X and/or xml: good, bad and/or ugly**

As a typesetting engine, T<sub>E</sub>X can work pretty well with structured input. One can build interfaces that are reasonably well to work with and code in. XML on the other hand is purely meant for coding, and the more rigorous scheme prevents errors and makes reuse easy. Contrary to T<sub>E</sub>X, xml is not equivalent to typesetting, although there are tools (and methods) to easily convert the code into other structured code (like HTML) that then can be handled by rendering engines. Should we abandon coding in T<sub>E</sub>X in favor of xml? Should we abandon typesetting using T<sub>E</sub>X in favor of real time rendering of relatively simple layout designs? Who are the good and bad guys in that world? And even more importantly: to what extent will document design (and style design) really change?

◀ Hans Hagen ▶

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# **T<sub>E</sub>X Top Publishing: an overview**

T<sub>E</sub>X is used for producing a broad range of documents: articles, journals, books, and anything you can think of. When T<sub>E</sub>X came around, it was no big deal to beat most of those day's typesetting programs. But how well does T<sub>E</sub>X compete today with mainstream Desk Top Publishing programs? What directions will publishing take and what role can T<sub>E</sub>X play in the field of typesetting? What are today's publishing demands, what are the strong and what are the weak points of good old T<sub>E</sub>X, and what can and should we expect from the successors of T<sub>E</sub>X?

◀ Hans Hagen ▶

Maps 26 2001

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# ConT<sub>E</sub>Xt Publication Module, the user documentation

This module takes care of references to publications and the typesetting of publication lists, as well as providing an interface between BibT<sub>E</sub>X and ConT<sub>E</sub>Xt. This is a preliminary version; changes may be needed or wanted in the near future. In particular, there are some minor issues with the multi-lingual interface that need to be solved.

◀ Taco Hoekwater ▶

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# mlbibT<sub>E</sub>X: a New Implementation of bibT<sub>E</sub>X

This paper describes mlbibT<sub>E</sub>X, a new implementation of bibT<sub>E</sub>X with multilingual features. We show how to use it as profitably as possible, and go thoroughly into compatibility between bibT<sub>E</sub>Xs current implementation and ours. Besides, the precise grammar of mlbibtex is given as an annex.

**Bibliographies**  
**multilingual features**

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
**bibT<sub>E</sub>X**

**Jean-Michel Hufflen ▶**

**Maps 26 2001**

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# Special fonts

We propose the use of a special pseudofont as an enhancement (in a sense) of the `\special` instruction. The examples of the implementation show that the technique applied here would prove to be extremely useful, especially with METAPOST.

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[special commands](#)  
◀ [METAPOST](#) ▶  
◀ [fonts](#) ▶  
[postscript](#)

◀ [Bogusław Jackowski](#) ▶  
[Krzysztof Leszczyński](#)

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# MetaType1: a METAFONT-based engine for generating Type 1 fonts

A package for preparing parameterized outline fonts in PostScript Type 1 format is described. The package makes use of METAFONT, awk, and T1utils, therefore is supposed to be easily portable to various computer platforms. Its beta version along with a sample font (Knuth's logo font) is available from: <ftp://bop.eps.gda.pl/pub/metatype1>

◀ [outline fonts](#)  
[scalable fonts](#)  
[parameterized fonts](#)  
◀ [Type 1 fonts](#) ▶  
◀ [METAFONT](#) ▶  
◀ [METAPOST](#)

◀ [Bogusław Jackowski](#) ▶  
[Janusz M. Nowacki](#)  
◀ [Piotr Strzelczyk](#)

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# Natural T<sub>E</sub>X Notation in Mathematics

In this paper we introduce Nath, a L<sup>A</sup>T<sub>E</sub>X 2.09/2e style implementing a natural T<sub>E</sub>X notation for mathematics.

Michal Marvan

Maps 26 2001

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# **T<sub>E</sub>X in teaching**

A well-known slogan in language technology is ‘parsing-as-deduction’: syntax and meaning analysis of a text takes the form of a mathematical proof. Developers of language technology (and students of computational linguistics) want to visualize these mathematical objects in a variety of formats. We discuss a language engineering environment for computational grammars. The kernel is a theorem prover, implemented in the logic-programming language Prolog. The kernel produces L<sup>A</sup>T<sub>E</sub>X source code for its internal computations. The front-end displays these in a number of user-defined typeset formats. Local interaction with the kernel is via a tcl/tk GUI. Alternatively, one can call the kernel remotely from dynamic PDF documents, using the form features of Sebastian Rahtz’ hyperref package.

**Michael Moortgat**  
**Richard Moot**  
**Dick Oehrle**

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# Poligraf: from T<sub>E</sub>X to printing house

The macro package Poligraf was for the first time presented at the Polish T<sub>E</sub>X Users' Group meeting `Ba-choT<sub>E</sub>X'96'. Users' suggestions and remarks have been taken into account leading to this new, completely re-worked version.

Janusz Marian Nowacki

Maps 26 2001

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# Extending ExT<sub>E</sub>X

What can be done after the completion of ExT<sub>E</sub>X? I describe a dream, some results, and some further ideas.

exT<sub>E</sub>X  
DSSSL

file location  
extension of exT<sub>E</sub>X  
primitives in exT<sub>E</sub>X

◀ Simon Pepping ▶

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## Directions for the T<sub>E</sub>XLive system

This paper is about the current status of the T<sub>E</sub>XLive software. The first part of the paper will address the structured description of its content and how the Windows 1 setup program can use it. The past experiments with the Windows installer have revealed that the problem was harder than expected. The new T<sub>E</sub>XLive 6 description files will allow a more effective way to use the setup program. Some further enhancements are even scheduled. The second part of the paper will address a set of possible extensions to the Web2C/Kpathsea pair (read it as a call for code contributions!). Some aspects of its use were not foreseen when it was devised and it may be time for an enhancement.

◀ **Fabrice Popineau** ▶

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# DCpic, Commutative Diagrams in a (La)T<sub>E</sub>X Document

DCpic is a package of T<sub>E</sub>X macros for graphing Commutative Diagrams in a (La)T<sub>E</sub>X or ConT<sub>E</sub>Xt document. Its distinguishing features are: the use of PICT<sub>E</sub>X a powerful graphical engine, and a simple specification syntax. A commutative diagram is described in terms of its objects and its arrows. The objects are textual elements and the arrows can have various straight or curved forms. We describe the syntax and semantics of the user's commands, and present many examples of their use.

Communicative diagrams

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ T<sub>E</sub>X ▶

picT<sub>E</sub>X

Pedro Quaresma

Maps 26 2001

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# Using pdfT<sub>E</sub>X in a PDF-based imposition tool

pdfT<sub>E</sub>X has been used successfully to build an industrial-strength PDF-based imposition tool. This paper/talk describes the pitfalls we encountered and the lessons learned.

Martin Schröder

Maps 26 2001

p 173  25 kB

# ASCII-Cyrillic and its converter email-ru.tex

A new faithful ASCII representation for Russian called ASCII-Cyrillic is presented here, one which permits accurate typing and reading of Russian where no Russian keyboard or font is available — as often occurs outside of Russia. ASCII-Cyrillic serves the Russian and Ukrainian languages in parallel. This article initially discusses Russian; but, further along, come the modifications needed to adapt to the Ukrainian alphabet.

◀ Laurent Siebenmann

Maps 26 2001

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# A Tour around the NTS implementation

NTS is a modular object-oriented reimplementation of  $\text{T}_\text{E}\text{X}$  written in Java. This document is a summary of a presentation which shows the path along which the characters and constructions present in the input file pass through the machinery of the program and get typeset. Along the way the key classes and concepts of NTS are visited, the differences with original  $\text{T}_\text{E}\text{X}$  are explained and the good points where to dig into the system are proposed.

[◀ NTS](#)  
[Java ▶](#)  
[extension](#)

**Karel Skoupy**

**Maps 26 2001**

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# Visual T<sub>E</sub>X: T<sub>E</sub>Xlite

A prototype of a visual T<sub>E</sub>X is implemented by means of minor modifications of canonical T<sub>E</sub>X. The changes include the ability to start compilation from an arbitrary page, fast paragraph reformatting, and retaining the origin of visual elements. The new features provide direct editing of the document preview and correct markup of the source text.

visual

◀ T<sub>E</sub>X ▶

Igor Stokov

Maps 26 2001

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# Conversion of T<sub>E</sub>X fonts into Type 1 format

This paper analyses the problem of converting T<sub>E</sub>X fonts to Type 1 fonts, describes T<sub>E</sub>Xtrace, a new free conversion program, and compares it to other possible methods and existing utilities. T<sub>E</sub>Xtrace works by rendering the font in high resolution and then tracing (vectorizing) it.

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[◀ Type 1 fonts ▶](#)

[◀ METAFONT ▶](#)

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# Math typesetting in T<sub>E</sub>X: The good, the bad, the ugly

Taking the conference motto as a theme, this paper examines the good, the bad, and the ugly bits of T<sub>E</sub>X's math typesetting engine and the related topic of math fonts. Unlike previous discussions of math fonts, which have often focussed on glyph sets and font encodings, this paper concentrates on the technical requirements for math fonts, trying to clarify what makes implementing math fonts so difficult and what could or should be done about it.

[math typesetting](#) ▶  
◀ [math fonts](#)  
[symbol fonts](#)  
[font metrics](#)  
[font encodings](#)

◀ [Ulrik Vieth](#) ▶

Maps 26 2001

[p 207-216](#)  [120 kB](#)

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# Typography and production of manuscripts and incunabula

This paper describes how the modern type of books slowly came into existence during the middle ages. The first printers modeled their products on these handwritten books but needed — in time — some adjustments because of the differences in production between a manuscript and a printed book and because of the differences between producing for a patron or for an anonymous mass market.

◀ [typography](#)  
[manuscript](#)  
[incunabulum](#)

[Paul Wackers](#)

[Maps 26 2001](#)

[p 217-218](#)  [36 kB](#)

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# Reintroducing type 3 fonts to the world of T<sub>E</sub>X

Nowadays, a great number of documents are produced every day. Many authors would like their documents to stand out from the rest not only by content but also by typographic design. For this purpose one may use decorative letters, ornaments, dingbats and special fonts. If each document would have to look different from all the others a great many fonts and font deviations are needed. This could be achieved by combining the METAPOST language with the type 3 font format. This new font creation technology enables users endless single-use-only variations in weight and width, style and size, and in color. A new level of control over the embellishment level of fonts in documents is thereby achieved.

◀ [Włodek Bzyl](#)

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# Literate Programming, not just another pretty face

The structure of a software program may be thought of as a `web' that is made of many interconnected pieces. To document such a program, we want to explain each individual part of the web and how it relates to its neighbors. D.E.K.

Michael Guravage ▶

Maps 26 2001

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# **T<sub>E</sub>X gebruikersgroepen**

Een overzicht van alle ons bekende T<sub>E</sub>X gebruikersgroepen met bijbehorende contactgegevens.

**gebruikersgroepen**

◀ **user groups**

◀ **Erik Frambach** ▶

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◀ Jules van Weerden

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# Een uittreksel uit de recente bijdragen in het CTAN archief

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief. De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus wel een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven. De uitgebreidere bijdragen zijn ook geen handleidingen. Beschouw het maar als een soort menukaart die de bedoeling heeft om de lezer te laten watertanden.

[◀ T<sub>E</sub>X ▶](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

[Packages](#)

[◀ CTAN ▶](#)

[◀ Type 1 fonts](#)

[◀ fonts ▶](#)

[◀ PDF ▶](#)

[◀ pstricks ▶](#)

[◀ PostScript ▶](#)

[◀ Piet van Oostrum ▶](#)

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# Patenten, copyright en 'intellectual property'

In dit stuk wordt aandacht gevraagd voor software patenten en andere aanslagen op onze elektronische vrijheid.

Software patenten  
WIPO  
EPO  
standaarden  
Europa

◀ Siep Kroonenberg ▶

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## Letter from Knuth

A facsimile copy of a letter by Donald E. Knuth to Siep Kroonenberg about the EuroT<sub>E</sub>X2002 proceedings. In the letter, dated 26 November 2001, Donald E. Knuth congratulates Siep Kroonenberg on the "most beautiful design and production of the EuroT<sub>E</sub>X2001 proceedings." He further describes how both he and Mrs. Knuth love its look and feel. The letter is hand written with a pencil on the personal stationery (Donald E. Knuth, Professor Emeritus of The Art of Computer Programming) of the Stanford University in Stanford, California. Although the actual text of the letter is somewhat more concise than this abstract, it is a must-see for any T<sub>E</sub>X user.

◀ Donald Knuth

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# Meta-Euro

How to create the Euro symbol in Metapost.

[Euro symbol ▶](#)  
[MetaPost ▶](#)

[Patrick Gundlach ▶](#)

Maps 27 2002

[p 14-19](#)  [68 kB](#)

[view](#)

# The euro symbol

When Patrick Grundlach posted a nice MetaPost version of the euro symbol to the ConT<sub>E</sub>Xt discussion list, he added the comment "The official construction is ambiguous: how thick are the horizontal bars? How much do they stick out to the left? Is this thing a circle or what? Are the angles on the left side of the bars the same as the one on the right side? ..." The alternative below is probably not as official as his, but permits a finetuning. You are warned: whatever you try, the euro is and will remain an ugly symbol.

◀ Euro symbol ▶

◀ MetaPost ▶

◀ Hans Hagen ▶

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## Doing it my way: a lone T<sub>E</sub>Xer in the real world

While a world-renowned standard in many academic fields, Don Knuth's much acclaimed typesetting system is almost unknown in most parts of the real world, where many a document designer has achieved professional success without ever hearing (let alone pronouncing) the word `T<sub>E</sub>X'. Outside academia, the lone T<sub>E</sub>Xer faces not only compatibility headaches, but also outright incomprehension from his customers, colleagues, or competitors: why would anyone want to use T<sub>E</sub>X to produce memos, two-color newsletters, full-color brochures, overhead transparencies, and other items — in short, anything but books that contain a lot of mathematics? As a consultant in professional communication, I have been using T<sub>E</sub>X for all documents I have produced for my clients and for myself during the last ten years or so. Though it has turned out to be most successful, this approach is seen by most as a mere idiosyncrasy. And yet, the systematic use of my own T<sub>E</sub>X and PostScript programming gives me three unequalled advantages over using off-the-shelf software: I travel light, I can go anywhere I please, and I guarantee I'll get there.

Jean-Luc Doumont ▶

Maps 27 2002

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## Drawing effective (and beautiful) graphs with T<sub>E</sub>X

A standard approach to producing documents that include illustrations consists in typesetting text with specialized typesetting software (such as T<sub>E</sub>X) and inserting illustrations created with different, equally specialized software. To better integrate the illustrations into the typeset page, it would be nice to be able to produce or modify them directly with the typesetting software. Drawing graphs with T<sub>E</sub>X, for example, would allow one to set them `\hsize wide` and `0.75\hsize high`, position labels exactly `\baselineskip` below the horizontal axis, and, especially, typeset all annotations with the same fonts, sizes, and mathematical beauty as the rest of the document. The hybrid T<sub>E</sub>X and PostScript macros presented in this paper take advantage of T<sub>E</sub>X's power to graph and annotate data sets in a variety of ways in order to produce effective, beautiful, well-integrated graphs. They use T<sub>E</sub>X to draw all horizontal and vertical lines (axes, tick marks, grid lines) and set all annotations, and PostScript to draw the data, as markers, lines, and areas. While fairly simple, they have been successfully harnessed to appear in a wide range of real-life applications, up to logarithmic graphs and (with some patience) complex multipanel displays. Of course, the macros are a tool for drawing final graphs rather than exploring or transforming data sets.

◀ **Jean-Luc Doumont**

Maps 27 2002

p 29-35  407 kB

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# Figures

Within the T<sub>E</sub>X community there is a widely used database for bibliographic references, BIB-T<sub>E</sub>X, but not for figures. To manage figures ConT<sub>E</sub>Xt now supports a figures database. The database is setup in XML and converted to an interactive PDF figure library featuring ordered displays and a search mechanism. From the library, figures can be included easily in ConT<sub>E</sub>Xt documents as long as both the PDF and the XML files remain present.

◀ Hans Hagen ▶  
◀ Ton Otten

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# DTP'en met L<sup>A</sup>T<sub>E</sub>X, gebruik en adviezen

Verslag van het gebruik van L<sup>A</sup>T<sub>E</sub>X voor DTP-doeleinden, met enkele eenvoudige macro's en het integreren van plaatjes: een beschrijving aan de hand van de praktijk.

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
◀ 4allT<sub>E</sub>X  
◀ PostScript ▶

Ernst van der Storm ▶

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# From PC-Write to ConT<sub>E</sub>Xt easy speedy beauty

A tale of more than 10 years of joy and struggle with T<sub>E</sub>X followed by a period of bliss, of easy to use tools, quickly obtained results and incredible possibilities from the coming of 4T<sub>E</sub>X and ConT<sub>E</sub>Xt, narrated by non-gurus.

[non-guru ▶](#)

[◀ 4T<sub>E</sub>X](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

[Karel Wesseling ▶](#)  
[Gertrude van der Sar](#)  
[Jos Settels](#)

Maps 27 2002

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# A do-it-yourself thebibliography in ConT<sub>E</sub>Xt

Moving from L<sup>A</sup>T<sub>E</sub>X to ConT<sub>E</sub>Xt is not really simple but to return from ConT<sub>E</sub>Xt to L<sup>A</sup>T<sub>E</sub>X would have been equally hard were it not for a publication by Berend de Boer in MAPS 24 explaining how to do L<sup>A</sup>T<sub>E</sub>X things in ConT<sub>E</sub>Xt. Only one thing was missing, a do-it-yourself thebibliography. Hans Hagen had a solution which is described below.

- ◀ non-guru ▶
- ◀ L<sup>A</sup>T<sub>E</sub>X ▶
- ◀ ConT<sub>E</sub>Xt ▶
- ◀ **bibliography**  
citation command

◀ Karel Wesseling ▶

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# **T<sub>E</sub>X voor thuis**

Dit verhaal richt zich tot mensen die op hun eigen machine T<sub>E</sub>X aan de praat willen krijgen, zonder hulp van een systeembeheerder of guru-vriendje.

◀ Siep Kroonenberg ▶

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# Mac OS X als T<sub>E</sub>X platform

Nu het Macintosh platform tot Unix is bekeerd en ingebouwde ondersteuning heeft voor pdf, bezit de Mac hele goede papieren als een platform voor T<sub>E</sub>X. Het programma T<sub>E</sub>XShop is hiervan het bewijs.

◀ Macintosh  
Mac OS X  
T<sub>E</sub>XShop

◀ Siep Kroonenberg ▶

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# Configuration

Texmf trees can make a T<sub>E</sub>X installation more maintainable. With creative use of environment variables, it is possible to run different versions and different configurations in different xterm or console windows.

[texmf trees](#)  
[configuration](#)  
[environment variables](#)  
[file searching](#)

◀ [Siep Kroonenberg](#) ▶

Maps 27 2002

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# MathML

Typesetting math in MathML using ConT<sub>E</sub>Xt.

[MathML](#) ▶

◀ [ConT<sub>E</sub>Xt](#) ▶

◀ [Hans Hagen](#) ▶

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[Fonts for the MAPS](#)

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[Hacking T<sub>E</sub>X4ht for XML Output — The Road towards a T<sub>E</sub>X to Word Converter](#)

[T<sub>E</sub>XExec User's Guide](#)

[The ctable package for use with L<sup>A</sup>T<sub>E</sub>X2e](#)

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[A letterhead in ConT<sub>E</sub>Xt](#)

[Practical MetaPost](#)

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Johannes Braams

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# De NTG Flyer

*geen samenvatting (no abstract)*

NTG Flyer

◀ Siep Kroonenberg ▶

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# Nieuws van CTAN — Een uittreksel uit de recente bijdragen in het CTAN archief

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief. De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus wel een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven. De uitgebreidere bijdragen zijn ook geen handleidingen. Beschouw het maar als een soort menukaart die de bedoeling heeft om de lezer nieuwsgierig te laten worden.

[◀ T<sub>E</sub>X ▶](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

[◀ packages ▶](#)

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[◀ Piet van Oostrum ▶](#)

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# TUG 2002, Thiruvananthapuram

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◀ Michael Guravage ▶

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# meta-euro (erratum)

How to create the Euro symbol in Metapost. Corrected reprint of this article in Maps 27.

◀ Euro symbol  
◀ MetaPost ▶

Maps Editors ▶  
◀ Patrick Gundlach ▶

Maps 28 2002

p 14-19  230 kB

# MathML Correction

Typesetting math in MathML using ConT<sub>E</sub>Xt. Corrected pages of this article from Maps 27.

◀ MathML

◀ ConT<sub>E</sub>Xt ▶

◀ Maps Editors

◀ Hans Hagen ▶

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# Fonts for the MAPS

*geen samenvatting (no abstract)*

◀ fonts ▶  
texnansi encoding  
◀ virtual fonts  
reencoding

◀ Siep Kroonenberg ▶

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p 25-26  29 kB

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# ConT<sub>E</sub>Xt System Documentation

A new website exists that contains documentation for the lower-level ConT<sub>E</sub>Xt macros. The URL for this website is <http://tex.aanhet.net/context>. This website also contains a full mirror of the pragma-ade website.

macro programming  
◀ ConT<sub>E</sub>Xt ▶  
api  
general  
◀ documentation ▶

◀ Taco Hoekwater ▶

Maps 28 2002

p 27  19 kB

view

# Hacking T<sub>E</sub>X4ht for XML Output – The Road towards a T<sub>E</sub>X to Word Converter

This article explains how the author employs the T<sub>E</sub>X4ht convertor to manage multiple format (XML and PDF) output from a single Latex source by writing a T<sub>E</sub>X4ht configuration file and a Latex class file. Furthermore, it is explained how T<sub>E</sub>X4ht and the new OpenOffice package can be used to create a new Latex to MS Word convertor.

Maarten Wisse

Maps 28 2002

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# **T<sub>E</sub>XExec User's Guide**

This guide describes the uses and options of the texexec program that is available in the ConT<sub>E</sub>Xt distribution. The options are invoked by calls on a command line, which are words preceded by two hyphens as in `—make`. There are options for running ConT<sub>E</sub>Xt on your T<sub>E</sub>X file to produce printable output, options to specify languages, an option to make listings of (software program) files word for word, options for conditional execution, for selecting pages to print, for printing on differently sized paper, for directing your output to a particular file, for conversion of SGML and XML to T<sub>E</sub>X. If it is no problem to you to use a command line and to occasionally look things up in the help file or in this user s guide, you will find texexec to be a useful, even indispensable tool for ConT<sub>E</sub>Xt.

**Karel H Wesseling** ▶

◀ **Hans Hagen** ▶

**Maps 28 2002**

**p 36-52**  **114 kB**

**view**

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# The ctable package for use with L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>

The ctable package lets you easily typeset centered, captioned table and figure floats with optional footnotes. Both caption and footnotes will be forced within the width of the table.

◀ Wybo Dekker ▶

Maps 28 2002

p 53-58  40 kB

view

# mk — a L<sup>A</sup>T<sub>E</sub>X maker

mk is a Perl script that, in close collaboration with vpp is helpful in the cyclic process of editing, viewing, and printing a latex document.

◀ L<sup>A</sup>T<sub>E</sub>X ▶  
◀ make  
perl script

◀ Wybo Dekker ▶

Maps 28 2002

p 59-64  48 kB

# vpp — View and (selectively) Print PDF and PostScript

vpp displays a PDF document or a PostScript document (after conversion to pdf) using gv, xpdf, or acrobat reader (in that order of choice), or perhaps another pdf viewer. One can use the viewer to print the document but, alternatively, leave the viewer and use vpp's facilities to print selected pages to a one- or two-sided hardcopy or an A5-booklet.

view  
print  
◀ PDF ▶  
◀ PostScript ▶

◀ Wybo Dekker ▶

Maps 28 2002

p 65-68  36 kB

view

## Shifted bullets in graphs with MetaPost

With MetaPost fully integrated in ConT<sub>E</sub>Xt using this graphic language has become convenient. When we tried to use John Hobby's `graph.mp` package, however, it turned out to require extra initializations and to produce unacceptable, shifted data graphs. Solutions to both problems are given.

◀ Frans Goddijn ▶  
◀ Karel H Wesseling ▶

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# A letterhead in ConT<sub>E</sub>Xt

For years I have used a home-made logo in Pictex within L<sup>A</sup>T<sub>E</sub>X, together with name and address as letterhead. Separate versions for myself and my wife were pre-printed on an HP 300 DPI Laserjet. With MetaPost fully integrated in ConT<sub>E</sub>Xt, we decided to convert to MetaPost and print the letterhead with each letter automatically. I used the versatile ConT<sub>E</sub>Xt layer mechanism and the mode option.

[◀ non-guru](#)  
[◀ ConT<sub>E</sub>Xt ▶](#)  
[◀ MetaPost ▶](#)  
layers  
mode command

[◀ Karel H Wesseling ▶](#)

Maps 28 2002

[p 73-79](#)  [228 kB](#)

# Practical MetaPost

In this article, I will explain how to practically use MetaPost. This program is very different from usual drawing programs, but it fits very well in a T<sub>E</sub>X based typesetting system.

◀ Fabrice Popineau

Maps 28 2002

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L<sup>A</sup>T<sub>E</sub>X: een newbie-ervaring

BachoT<sub>E</sub>X 2003 — as of old, and some more

Toolbox

Docbook In ConT<sub>E</sub>Xt — a ConT<sub>E</sub>Xt XML mapping for DocBook documents

Drawing Message Sequence Charts with L<sup>A</sup>T<sub>E</sub>X

Labels voor gevaarlijke stoffen met L<sup>A</sup>T<sub>E</sub>X

Aligning MetaPost graphs in ConT<sub>E</sub>Xt combinations

Drawing a type-case in ConT<sub>E</sub>Xt

Optisch uitvullen in de Maps

Installing fonts in L<sup>A</sup>T<sub>E</sub>X: a user's experience

The Font Installation Guide — Using Postscript fonts to their full potential with Latex

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Wybo Dekker ▶

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# 32e NTG-bijeenkomst

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◀ Frans Goddijn ▶

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# **T<sub>E</sub>X user groups worldwide - what's cooking?**

This article is based on a presentation given at the UK TUG meeting in Oxford in October 2002. It describes some current problems that T<sub>E</sub>X user groups face and it attempts to distill lessons learned and recommendations from almost 25 years of T<sub>E</sub>X user groups history.

[history](#)  
[volunteer work](#)  
[problems](#)  
[lugs](#)  
**◀ T<sub>E</sub>X user groups**

**◀ Erik Frambach ▶**

Maps 29 2003

**p 6-9**  **79 kB**

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# L<sup>A</sup>T<sub>E</sub>X: een newbie-ervaring

Hoe ik een L<sup>A</sup>T<sub>E</sub>X-adept werd; argumentatie pro L<sup>A</sup>T<sub>E</sub>X en contra zijn grafische concurrenten: Word en OpenOffice.

Koen Wybo ►

Maps 29 2003

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# BachTeX 2003 — as of old, and some more

A (partial) report of GUST's 11th meeting at Bachotek, Poland is given. It is incomplete because I could not understand most of the Polish contributions and I skipped the L<sup>A</sup>T<sub>E</sub>X day. It reflects just of one of the threads through BachTeX03's life. A question is raised: can the T<sub>E</sub>X-world follow with pdfT<sub>E</sub>X the evolving PDF standard?

BachTeX2003

◀ GUST

◀ Poland

◀ Kees van der Laan ▶

Maps 29 2003

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# Toolbox

Nieuwe avonturen in T<sub>E</sub>X-land.

[◀ index](#)  
[◀ rules](#)  
[tooltips](#)  
[uitvullen](#)

[◀ Wybo Dekker ▶](#)

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# Docbook In ConT<sub>E</sub>Xt — a ConT<sub>E</sub>Xt XML mapping for DocBook documents

Docbook In ConT<sub>E</sub>Xt combines two technologies that are widely used by authors of technical literature: the Docbook DTD and the ConT<sub>E</sub>Xt macro package for T<sub>E</sub>X. It is a ConT<sub>E</sub>Xt module that allows one to produce a typeset version of a Docbook XML file, in dvi or pdf format.

◀ [Simon Pepping](#)

Maps 29 2003

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# Drawing Message Sequence Charts with L<sup>A</sup>T<sub>E</sub>X

The MSC macro package facilitates L<sup>A</sup>T<sub>E</sub>X users to easily include Message Sequence Charts in their texts. This article describes the motivation for developing the MSC macro package, the features of the MSC macro package, and the design of the MSC macro package.

Sjouke Mauw  
Victor Bos

Maps 29 2003

p 38-43  95 kB

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# Labels voor gevaarlijke stoffen met L<sup>A</sup>T<sub>E</sub>X

Volgens Europese regelgeving (67/548/EEC) is men verplicht om verpakkingen voor gevaarlijke stoffen te voorzien van labels die bepaalde informatie moeten bevatten. Met behulp van het labels package en een aantal in postscript geschreven pictogrammen is het mogelijk deze labels zelf te maken.

gevaarlijke stoffen  
labels  
67/548/EEC  
◀ L<sup>A</sup>T<sub>E</sub>X ▶

Roland Smith ▶

Maps 29 2003

p 44-49  154 kB

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# Aligning MetaPost graphs in ConT<sub>E</sub>Xt combinations

For scientific plotting I like to use the Graph package by John Hobby within Context and when I have two or more separate graphs made I combine them into one figure with one figure caption. Combining is easy but aligning the graphs in a pleasing way required a trick.

◀ Karel H Wesseling

Maps 29 2003

p 50-52  86 kB

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## Drawing a type-case in ConT<sub>E</sub>Xt

There are different environments with which one can typeset tables; all of them have their advantages and disadvantages. One of the recent problems I had to solve was to draw a typesetter's type-case from the lead-typesetting era. Since it looks like a table, I built the drawing in the `\bTABLE . . . \eTABLE` environment.

[Willi Egger ▶](#)

Maps 29 2003

[p 53-59](#)  [125 kB](#)

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# Optisch uitvullen in de Maps

In deze maps wordt voor het eerst gebruik gemaakt van optisch uitvullen met behulp van protruding characters, dat wil zeggen dat wordt gepoogd de rechterkantlijn er rechter uit te laten zien door tekens met horizontale uitsteeksels, zoals onder andere afbreekstreepjes, iets in de kantlijn te laten uitsteken.

◀ Siep Kroonenberg ▶

Maps 29 2003

p 60  83 kB

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# Installing fonts in L<sup>A</sup>T<sub>E</sub>X: a user's experience

This paper presents a user's experience with installing fonts for use in L<sup>A</sup>T<sub>E</sub>X. It will be shown that it is not hard to make a standard Type 1 font work, if you use modern font installation software for L<sup>A</sup>T<sub>E</sub>X. All the steps necessary to install the example fonts will be shown. The example fonts used are Adobe Garamond from Adobe and Mrs. Eaves from Emigre.

user  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
◀ fonts ▶

Ferdy Hanssen

Maps 29 2003

p 61-64  118 kB

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# The Font Installation Guide — Using Postscript fonts to their full potential with Latex

This guide is an unmodified printout of Philip Lehman's original guide, which is available from CTAN (current location: `info/Type1fonts/fontinstallationguide` directory)

Philip Lehman

Maps 29 2003

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Wybo Dekker ▶

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# The Maps style

This paper introduces the renewed Maps classfile and includes some usage notes.

- Maps ▶
- ◀ L<sup>A</sup>T<sub>E</sub>X ▶
- classfile
- ◀ ConT<sub>E</sub>Xt ▶
- module ▶
- ◀ fonts ▶

◀ Siep Kroonenberg ▶

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# Een uittreksel uit de recente bijdragen in het CTAN archief

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief. De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus wel een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven. De uitgebreidere bijdragen zijn ook geen handleidingen. Beschouw het maar als een soort menukaart die de bedoeling heeft om de lezer nieuwsgierig te laten worden.

[◀ T<sub>E</sub>X ▶](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

[◀ packages ▶](#)

[◀ CTAN ▶](#)

[◀ classes ▶](#)

[beamer ▶](#)

[◀ slides ▶](#)

[◀ fonts ▶](#)

[◀ Piet van Oostrum ▶](#)

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# Schatgraven op T<sub>E</sub>XLive

Dit stuk brengt de rijke inhoud van de T<sub>E</sub>XLive cd onder de aandacht van de lezer.

◀ T<sub>E</sub>XLive ▶

◀ fonts ▶

documentatie

T<sub>E</sub>X distributie

◀ Siep Kroonenberg ▶

Maps 30 2004

p 8-9  317 kB

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# TeXLive Collection — past and future

Past and future of the TeXLive Collection is described.

TeXLive collection

◀ Hans Hagen ▶

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p 10-12  98 kB

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# De C<sub>X</sub>T<sub>E</sub>X distributie

Het einddoel van het C<sub>X</sub>T<sub>E</sub>X project is om een hele texexec aanroep van begin tot eind te kunnen uitvoeren binnen één enkel, zo efficiënt mogelijk, systeemproces. De eerste onderdelen van deze distributie worden in dit artikel gepresenteerd: nog op zichzelf staande, maar al wel naar C vertaalde versies van texexec, texutil en pdfetex.

◀ Taco Hoekwater ▶

Maps 30 2004

p 13-20  133 kB

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## The Scite - T<sub>E</sub>X integration

Editors are a sensitive, often emotional subject. Some editors have exactly the properties a software designer or a writer desires and one gets attached to it. Still, most computer experts such as T<sub>E</sub>X users often are use three or more different editors each day. Scite is a modern programmers editor which is very flexible, very configurable, and easily extended. We integrated Scite with T<sub>E</sub>X, ConT<sub>E</sub>Xt, L<sup>A</sup>T<sub>E</sub>X, MetaPost and viewer and succeeded in that it is now possible to design and write your texts, manuscripts, reports, manuals and books with the Scite editor without having to leave the editor to compile and view your work. The article describes what is available and what you need with special emphasis on highlighting commands with lexers.

◀ Hans Hagen ▶

Maps 30 2004

p 21-24  106 kB

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# Introducing oldstyle figures in existing virtual fonts

This paper describes a Ruby script osf that can be used to make a copy of a virtual font with its figures replaced with old style figures.

[ruby script](#)  
[txfonts](#)  
[pxfonts](#)  
[oldstyle figures](#)

◀ [Wybo Dekker](#) ▶

Maps 30 2004

[p 25-32](#)  [371 kB](#)

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# Apple Symbols

This Mac-specific My Way documents some fonts available exclusively on MacOSX 10.3, `Panther', and makes them available to Mac users with fairly minimal installation effort. I do not distribute the fonts themselves.

Adam T. Lindsay ▶

Maps 30 2004

p 33-41  202 kB

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# Unicode Symbols

The Unicode standard includes a number of signs, symbols, dingbats, bullets, arrows, graphical elements, and other miscellaneous glyphs. Prompted by finding a font dedicated to many such Unicode symbols on MacOSX systems, this magazine documents some ways of enabling these symbols on your own system.

◀ Adam T. Lindsay ▶

Maps 30 2004

p 42-48  129 kB

# Woordafbreking op ë en ï

L<sup>A</sup>T<sub>E</sub>X heeft moeite met het afbreken van woorden die een ë bevatten. Dit verhaal laat zien hoe dat probleem op te lossen: gebruik \"e of \"{e} of ë voor een eindstandige ë en "e voor alle andere. Analoog voor de ï.

◀ hyphenation ▶  
diacresis  
umlaut

◀ Wybo Dekker ▶

Maps 30 2004

p 49  98 kB

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# L<sup>A</sup>T<sub>E</sub>X uitvoer genereren vanuit C programma's

This article describes a simple way to generate L<sup>A</sup>T<sub>E</sub>X output from C programs.

◀ L<sup>A</sup>T<sub>E</sub>X ▶

automatisch opmaken

◀ C

R.F. Smith

Maps 30 2004

p 50-51  149 kB

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# Help! — The Typesetting Area

Typesetting (large) documents presents significant challenges that have to be resolved before a satisfactory printed result is achieved; e.g. the internal structure of the document should be clear, and the document's typographical layout should match its content. This article, based on a presentation given at the NTG day in Arnhem on 13 November 2003, describes a traditional design technique known as the harmonic proportion.

◀ Willi Egger ▶

Maps 30 2004

p 52-59  216 kB

view

# **T<sub>E</sub>X and prepress**

This article discusses preparing documents for professional printing with T<sub>E</sub>X and pdf<sub>t</sub>ex, including color printing and prepress standards.

[◀ PDF ▶](#)

[◀ PostScript ▶](#)

[color ▶](#)

[◀ Acrobat  
separations  
overprint](#)

[◀ Siep Kroonenberg ▶](#)

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# Een tutorial over het gebruik van BibT<sub>E</sub>X

Dit artikel beschrijft het gebruik van BibT<sub>E</sub>X waarbij de nadruk gelegd wordt op die aspecten die voor veel mensen als moeilijk ervaren worden. Het is een uitwerking van een lezing die de auteur gegeven heeft op de NTG-dag in Arnhem op 13 november 2003.

◀ BibT<sub>E</sub>X  
bibliografie  
literatuurlijst  
referentie  
◀ L<sup>A</sup>T<sub>E</sub>X ▶  
citeren  
woordenlijsten

◀ Piet van Oostrum ▶

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p 66-86  534 kB

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## De T<sub>E</sub>X flyer: doe er wat mee!

Op de volgende twee bladzijden hebben we onze T<sub>E</sub>X flyer nog eens afgedrukt. De voorkant beschrijft de sterke punten van T<sub>E</sub>X, en de achterkant bevat de nodige informatie om mensen een snelle start te geven met T<sub>E</sub>X.

◀ Siep Kroonenberg ▶

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# Foto's van de NTG-dag — 27 mei 2004

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◀ Frans Goddijn ▶

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The State of ConT<sub>E</sub>Xt

MetaPost Developments

The Aleph project

Producing graphs with MetaPost — multiple aligned graphs and error bars

Circuit\_macros — An application of little languages

Een briefhoofd maken

MetaPlot, MetaContour, and Other Collaborations with MetaPost

Support for typesetting greek in ConT<sub>E</sub>Xt — (cb-greek fonts)

A Simple Book Design in ConT<sub>E</sub>Xt

OpenType in ConT<sub>E</sub>Xt

Fontgebruik — Een uitdaging voor de lezer

Conversies

Exact layout with L<sup>A</sup>T<sub>E</sub>X — Implementing a letterhead

Boekdrukken en valkuilen

Object-Oriented Graphics with MetaObj

contextgarden.net

Fonts, more than a sample — how to use the fonts shown in the font sampler

Bloei der decadence — Johan Polak

Keys and values — new developments and mechanisms in key processing

Boekbespreking vormwijzer

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◀ Wybo Dekker ▶

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# Een uittreksel uit de recente bijdragen in het CTAN archief

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief. De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven. De uitgebreidere bijdragen zijn ook geen handleidingen. Beschouw het maar als een soort menukaart die de bedoeling heeft om de lezer lekker te maken.

[◀ slides](#)

[◀ beamer](#)

[◀ classes ▶](#)

[◀ CTAN ▶](#)

[◀ packages ▶](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

[◀ T<sub>E</sub>X ▶](#)

[◀ Piet van Oostrum ▶](#)

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# The State of ConT<sub>E</sub>Xt

In this article I will describe the current state of the ConT<sub>E</sub>Xt macro package and the forces that play a role in its evolution. I will also indicate the directions in which we look for further developments.

◀ Hans Hagen ▶

Maps 31 2004

p 5-7  94 kB

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# MetaPost Developments

*geen samenvatting (no abstract)*

- ◀ extensions ▶
- ◀ bugs ▶
- sarovar ▶
- development ▶
- ◀ MetaPost ▶

◀ Taco Hoekwater ▶

Maps 31 2004

p 8  61 kB

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# The Aleph project

A brief introduction to the Aleph project, a T<sub>E</sub>X extension providing most of Omega and eT<sub>E</sub>X features.

[e-Omega](#)  
[◀ Omega](#)  
[eT<sub>E</sub>X](#)

[◀ Giuseppe Bilotta](#)

Maps 31 2004

[p 9-11](#)  [104 kB](#)

# Producing graphs with MetaPost — multiple aligned graphs and error bars

MetaPost is an interesting companion for generating figures for documents written in T<sub>E</sub>X or one of its derivatives. This article focuses on generating graphs in MetaPost, and more specifically on two problems one can encounter when creating graphs: multi part graphs and error bars.

◀ MetaPost ▶  
graphs  
error-bars

Maarten Sneep ▶

Maps 31 2004

p 12-18  164 kB

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# Circuit\_macros — An application of little languages

The evolution of the Circuit\_macros package is described, with some of the conventions for drawing circuit elements and some of the lessons learned.

Electric circuit diagrams  
line drawings

◀ L<sup>A</sup>T<sub>E</sub>X ▶

Dwight Aplevich

Maps 31 2004

p 19-24  104 kB

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## Een briefhoofd maken

Kort na het succesvol compileren van mijn eerste  $\TeX$ -document wilde ik graag overstappen op  $\TeX$  voor zoveel mogelijk documenten. En het idee om het briefhoofd te kunnen typesetten tegelijk met het printklaar maken van de brief zelf leek me erg leuk. Maar dan liefst wel met zo min mogelijk code voor dat briefpapier in de betreffende briefbestanden. Dus met alle nodige commando's in een aparte stylefile. En ook graag met een eenvoudiger briefhoofdje om op vervolgvellen te plaatsen als de brief langer is dan een pagina. Dankzij tips en hulp van Henk de Haan is me dat destijds gelukt en in de loop van de tijd heb ik op dezelfde manier ook anderen hun briefpapier helpen maken.

◀ Frans Goddijn ▶

Maps 31 2004

p 25-31  154 kB

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## MetaPlot, MetaContour, and Other Collaborations with MetaPost

Most methods of creating plots in MetaPost work by doing all of their calculations in MetaPost, or by doing all of their calculations in a preprocessing program. There are advantages to dividing the work more equitably by doing the mathematical and data-visualization calculations in a preprocessing program and doing the graphical and layout calculations in MetaPost. The MetaPlot package provides a standard, flexible, interface for accomplishing such a collaboration between programs, and includes a general-purpose set of formatting macros that are applicable to a wide range of plot types. Examples are shown of linear plots with idiosyncratic annotation and two-dimensional contour plots with lines and filled contours on a non-cartesian mesh.

Brooks Moses

Maps 31 2004

p 32-39  276 kB

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## Support for typesetting greek in ConT<sub>E</sub>Xt — (cb-greek fonts)

There are situations where one needs to typeset pieces of text in greek. Until recently there was no direct support to do this in ConT<sub>E</sub>Xt. With the integration of the module greek this has changed. The basics were built by Giuseppe Bilotta (Italy). The module uses a subset of the cb-greek fonts. The article describes the module and the way greek text is coded. A couple of short and a longer examples of greek text are given.

[◀ font](#)  
[cb-greek](#)  
[greek ▶](#)  
[◀ module ▶](#)  
[Context ▶](#)  
[◀ Maps ▶](#)

[◀ Willi Egger ▶](#)  
[◀ Hans Hagen ▶](#)

Maps 31 2004

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# A Simple Book Design in ConT<sub>E</sub>Xt

I show how a simple book design can be implemented in ConT<sub>E</sub>Xt

Steve Grathwohl

Maps 31 2004

p 46-51  149 kB

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# OpenType in ConT<sub>E</sub>Xt

This is a summary of issues encountered and solutions implemented in order to support some advanced OpenType features in ConT<sub>E</sub>Xt. This article describes an accompanying set of support files that address installation (using T<sub>E</sub>XFont), accommodating extended optical families, and some "pro" font features. The extended character set afforded by pro fonts enables support for comprehensive small caps and old-style figures. Although the typescripts and commands are described together, certain features (like variant encodings for T<sub>E</sub>XFont and optical typescripts) can be used independently of the other features described.

◀ ConT<sub>E</sub>Xt ▶

◀ fonts ▶

**OpenType** ▶

◀ Adam T. Lindsay

Maps 31 2004

p 52-58  763 kB

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# Fontgebruik — Een uitdaging voor de lezer

Hans Hagen presenteert een zeer overdadige titel- en achterpagina van een handleiding uit 1899. De redactie van de Maps looft een prijs uit voor de beste en elegantste T<sub>E</sub>X-benadering van deze layout.

◀ Hans Hagen ▶

Maps 31 2004

p 59-61  314 kB

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# Conversies

Een terugblik op 12 jaar met een softwarepakket dat op een of andere manier met vriendschappen te maken heeft

◀ Frans Goddijn ▶

Maps 31 2004

p 62-66  1185 kB

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# Exact layout with L<sup>A</sup>T<sub>E</sub>X — Implementing a letterhead

This article describes several techniques useful for implementing a professionally designed layout such as a letterhead.

◀ docstrip  
◀ PostScript ▶  
◀ boxes  
◀ picture environment  
letterhead

◀ Siep Kroonenberg ▶

Maps 31 2004

p 67-70  184 kB

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# Boekdrukken en valkuilen

Een boek zetten, dat is nog tot daaraan toe, maar het dan ook nog netjes gedrukt krijgen... ik neem u graag mee langs de valkuilen, tot lering en leedvermaak.

drukken  
kopiëren  
papierrichting  
papierdikte  
◀ raster  
drukkwaliteit

◀ Wybo Dekker ▶

Maps 31 2004

p 71-76  234 kB

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# Object-Oriented Graphics with MetaObj

MetaObj is a macro package for MetaPost, a programming language for graphics producing PostScript output, based on the well-known metafont. MetaObj is written and maintained by Denis B. Roegel. It has been released under the LPPL and is available from CTAN. The cool thing about MetaObj is that it provides very high-level object-oriented macros which simplify the construction of complicated drawings by defining objects of arbitrary complexity and combining them to larger structures. This is already reflected in the name of the package: MetaObj is a shortcut for "MetaPost Objects".

**Eckhart Guthöhrlein**

**Maps 31 2004**

**p 77-86**  **180 kB**

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# contextgarden.net

The goal of the contextgarden.net project is to enhance the documentation of ConT<sub>E</sub>Xt. It consists of several web services that together provide the technical framework behind the documentation. A large (and growing) percentage of the supplied content is actually provided by the visitors of the interconnected web sites. with XML processing, grid-based typesetting, stepcharts, MetaFun and MathML, and more.

◀ ConT<sub>E</sub>Xt ▶  
◀ documentation ▶  
Wiki  
website  
live  
typesetting on demand  
texshow  
mailinglist archive  
source browser

◀ Patrick Gundlach ▶

Maps 31 2004

p 87-90  160 kB

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# Fonts, more than a sample — how to use the fonts shown in the font sampler

*geen samenvatting (no abstract)*

◀ ConT<sub>E</sub>Xt ▶  
fontsampl<sub>E</sub>r  
howto  
T<sub>E</sub>Xlive

◀ Hans Hagen ▶

Maps 31 2004

p 91-94  772 kB

view

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## Bloei der decadence — Johan Polak

Het boek "Bloei der decadence" van Johan Polak was jarenlang uitverkocht maar het is als PDF weer beschikbaar gekomen. Via Internet is het vrij te downloaden. Voor wie het op het computerscherm wil lezen is er een interactieve schermversie en een andere versie is geschikt om uit te printen. Beide nieuwe edities van het boek zijn opgemaakt in de ConT<sub>E</sub>Xt omgeving. Dit artikel beschrijft enige aspecten van het opzetten van een project. Door de gigantische hoeveelheid referenties naar boeken, tijdschriften, personen, plaatsnamen en andere termen werd het een gecompliceerde klus. Doel was om de wijze van verwerking toch zo simpel mogelijk te houden. Dus geen plain-T<sub>E</sub>X hackwerk maar simpele methodes die gebruik maken van de typische ConT<sub>E</sub>Xt eigenschappen. Ook wilden we met een overzichtelijk klein aantal stuurbestanden het gecodeerde boek zowel als scherm- en als paperversie kunnen compileren. Een bijzondere uitdaging vormde hiernaast het feit, dat er in een voetnoot een stuk Griekse tekst is weergegeven.

[Griek setup](#)

[Math-mode](#)

[◀ Maps ▶](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

[opmaak](#)

[setup](#)

[◀ layout](#)

[screen-document](#)

[reference-list](#)

[symbol](#)

[◀ Frans Goddijn ▶](#)

[◀ Willi Egger ▶](#)

Maps 31 2004

[p 95-98](#)  [475 kB](#)

[view](#)

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# Keys and values — new developments and mechanisms in key processing

This article introduces the xkeyval package as an extension of the well-known keyval package. The package provides more flexible commands, syntax enhancements, and a new option processing mechanism for class and package options using the key=value syntax.

[PSTricks ▶](#)  
[preset](#)  
[pointers](#)  
[package options](#)  
[xkeyval ▶](#)  
[keyval](#)  
[category codes](#)

[Hendri Adriaens ▶](#)  
[Uwe Kern](#)

Maps 31 2004

[p 99-103](#)  [179 kB](#)

[view](#)

[publications](#)

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# Boekbespreking vormwijzer

*geen samenvatting (no abstract)*

boekbespreking  
Treebus  
vormwijzer  
tekstwijzer

◀ Taco Hoekwater ▶

Maps 31 2004

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CTAN plans

Metapost Developments — Spring 2005

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Euler in Use — ConT<sub>E</sub>Xt support for the Euler math font, with examples

Lettrines for ConT<sub>E</sub>Xt

T<sub>E</sub>X and Linguistics

Controlling Acrobat Reader under X11

Met XML van database naar L<sup>A</sup>T<sub>E</sub>X — Het automatisch publiceren van database ...

Bundeling van conferentieverlagen

... three, two, one ... — a quest for the number of numbers

Compiling METAPOST under ConT<sub>E</sub>Xt

Learning METAPOST by doing

Learning METAPOST by doing (answers)

Antykwa Torunska — ver 2.03

Variabele faxdocumenten aanmaken in L<sup>A</sup>T<sub>E</sub>X

Stroomdiagrammen maken met flow

Verslag EuroTeX 2005

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Wybo Dekker ▶

Maps 32 2005

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# Een uittreksel uit de recente bijdragen in het CTAN archief

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief (en mogelijk andere bronnen op het Internet). De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven. De uitgebreidere bijdragen zijn ook geen handleidingen. Beschouw het maar als een soort menukaart die de bedoeling heeft om de lezer lekker te maken.

[◀ classes ▶](#)  
[◀ CTAN ▶](#)  
[◀ packages ▶](#)  
[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)  
[TeX](#)

[◀ Piet van Oostrum ▶](#)

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# CTAN plans

The readers of Tugboat likely know the Comprehensive TeX Archive Network as a great pile of T<sub>E</sub>X stuff. That is, it is full of T<sub>E</sub>X materials, and it is great, but it is also something of a pile — a bit of a mess. We will sketch some plans for improving CTAN. As part of that, we will outline its architecture, history, and some present issues.

Reinhard Zierke  
Graham Williams  
◀ Joachim Schrod  
◀ Rainer Schöpf  
Jim Hefferon  
Robin Fairbairns

Maps 32 2005

p 6-8  169 kB

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# Metapost Developments — Spring 2005

The MetaPost development team is pleased to announce version~0.9 of MetaPost. This article documents the changes since the previous version, and provides a roadmap for future development.

- ◀ MetaPost ▶
- ◀ development
- ◀ sarovar
- ◀ bugs
- ◀ extensions

◀ Taco Hoekwater ▶  
MetaPost Team

Maps 32 2005

p 9-13  155 kB

view

# Font Variants — A new ConT<sub>E</sub>Xt feature for organising rich fonts

Font Variants are a new (meta-)feature in ConT<sub>E</sub>Xt, offering the opportunity of easier access to advanced or unusual font features, without the hassle of using full typescript switches. This article briefly runs through the basic theory and practice of so—called font variants, and gives a few strategies for adapting it for your own uses.

Adam Lindsay ▶

Maps 32 2005

p 14-15  321 kB

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# Euler in Use — ConT<sub>E</sub>Xt support for the Euler math font, with examples

The Euler math font was designed by Hermann Zapf. ConT<sub>E</sub>Xt support was limited until now. We show how to use the Eulervm L<sup>A</sup>T<sub>E</sub>X package in combination with some new math definitions and typescripts to give a more informal look to your equations.

◀ ConT<sub>E</sub>Xt ▶  
◀ fonts ▶  
Euler  
◀ math ▶

◀ Adam Lindsay

Maps 32 2005

p 16-25  467 kB

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# Lettrines for ConT<sub>E</sub>Xt

The ConT<sub>E</sub>Xt module `lettri` is part of the L<sup>A</sup>T<sub>E</sub>X package `lettrine` by Daniel Flipo that provides a way to typeset dropped capitals at the beginning of paragraphs.

[lettrines](#)

[◀ module ▶](#)

[initials](#)

[dropped capitals](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

[◀ Taco Hoekwater ▶](#)

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# **T<sub>E</sub>X and Linguistics**

T<sub>E</sub>X has long been associated with mathematics and ``hard'' sciences such as physics. But even during the early days of T<sub>E</sub>X, linguists were attracted to the system, and today a growing number of them are turning to T<sub>E</sub>X (L<sup>A</sup>T<sub>E</sub>X, ConT<sub>E</sub>Xt). Aside from the general advantages of T<sub>E</sub>X for producing academic papers, it offers linguists largely intuitive means for dealing with often complex notational issues. In this paper, an abbreviated version of my Practical T<sub>E</sub>X 2004 talk, I show some notational issues and their solutions in T<sub>E</sub>X.

- psycr
- omega
- makor
- ledmac
- latexsym
- fontenc
- ednotes
- edmac
- devnag
- colortab
- bigfoot
- babel
- psgreek
- ◀ pstricks ▶
- syntax
- xetex ▶
- grammar
- tipa
- philology
- phonology
- lemmata
- linguistics
- semantics
- cyrillic
- teubner
- unicode ▶

◀ arabic  
Maps 32 2005  
armenian

p 29-34  420 kB  
devanagari

◀ visuk  
Steve Peter  
hebrew



# Controlling Acrobat Reader under X11

The command-line programs `pdfopen` and `pdfclose` allow you to control the X Window System version of Adobe Acrobat Reader from the command line or from within a script.

`pdfopen`  
`scripting`  
`X window system`  
`acrobat reader`  
◀ `pdf` ▶

◀ Taco Hoekwater ▶

Maps 32 2005

p 35  116 kB

view

# Met XML van database naar L<sup>A</sup>T<sub>E</sub>X – Het automatisch publiceren van database informatie in L<sup>A</sup>T<sub>E</sub>X documenten

In dit artikel wordt de geautomatiseerde aanmaak van het programmaboek voor de Bacheloropleiding Technische Wetenschappen bij de Hogere Defensie Opleidingen (HDO) toegelicht. Een belangrijk aspect hierbij vormt de omzetting van een Microsoft Access database naar L<sup>A</sup>T<sub>E</sub>X tabellen en bijlages in de uiteindelijke documentatie: XML bestanden worden als tussenstap gehanteerd.

conversie  
transformatie  
◀ XML ▶  
XSLT  
XPath  
Saxon  
database  
Access  
publiceren

Oscar Boot  
Frans Absil ▶

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# Bundeling van conferentieverlagen

In dit artikel wordt beschreven hoe Proceedings voor een Workshop of Conferentie gemaakt kunnen worden met behulp van pdflatex en de packages pdfpages, fancyhdr en hyperref

[fancyhdr](#)  
[hyperref](#)  
[pdflatex](#)  
[pdfpages](#)  
◀ [proceedings](#)  
[conferentieverlag](#)

Hendri Hondorp

Maps 32 2005

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## ... three, two, one ... — a quest for the number of numbers

This article briefly describes the seemingly trivial task of numbering items in a list with decreasing numbers, starting with the number equal to the amount of items in the list.

enumerate  
numbered items  
◀ lists  
counting backwards  
etaremune

◀ Frans Goddijn ▶  
◀ Hendri Adriaens

Maps 32 2005

p 50-51  154 kB

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## Compiling METAPOST under ConT<sub>E</sub>Xt

To teach yourself MetaPost, the book ``Learning MetaPost by Doing'' by André Heck is probably unsurpassed. However, the examples therein are processed on Unix using L<sup>A</sup>T<sub>E</sub>X. ConT<sub>E</sub>Xt users have a bit of detective work to do before they can have successful compilations. If you are new to ConT<sub>E</sub>Xt, the lines below may help save your a few hours of experimenting. These instructions were extracted from the MetaFun manual by Hans Hagen (from chapters 1, 2 and 3), and from a small macro that he once gave me that makes it possible to use the graph package by John Hobby.

◀ [Karel Wesseling](#)

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# Learning METAPOST by doing

This course is only meant as a short, hands-on introduction to METAPOST for newcomers who want to produce rather simple graphics. The main objective is to get students started with METAPOST on a UNIX platform.

[metapost ▶](#)

[◀ tutorial ▶](#)

[André Heck ▶](#)

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[p 56-112](#)  [808 kB](#)

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# Learning METAPOST by doing (answers)

This course is only meant as a short, hands-on introduction to METAPOST for newcomers who want to produce rather simple graphics. The main objective is to get students started with METAPOST on a UNIX platform.

[◀ metapost ▶](#)

[◀ tutorial ▶](#)

[◀ André Heck](#)

Maps 32 2005

[p 113-117](#)  [114 kB](#)

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[publications](#)

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# Variabele faxdocumenten aanmaken in L<sup>A</sup>T<sub>E</sub>X

Beschreven wordt hoe L<sup>A</sup>T<sub>E</sub>X gebruikt wordt als schakel tussen een bestaande bedrijfsapplicatie en een faxserver; data worden automatisch geëxporteerd naar een L<sup>A</sup>T<sub>E</sub>X-document.

faxen  
macro's  
Latex2RTF  
Latex ►

◀ Ernst van der Storm ▶

Maps 32 2005

p 133-137  266 kB

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# Stroomdiagrammen maken met flow

Flow is een handig programma om stroomdiagrammen te maken; via `\write18` kan het vanuit een L<sup>A</sup>T<sub>E</sub>X-document worden aangeroepen zodat eventuele wijzigingen vanzelf tevoorschijn komen.

softwaredocumentatie  
stroomdiagram  
write18  
flow  
◀ Latex

◀ Ernst van der Storm

Maps 32 2005

p 138-140  216 kB

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# Verslag EuroTeX 2005

Een verslag van de 16de jaarlijkse EuroTeX conferentie, gehouden in Pont-à-Mousson van 7 tot 11 maart 2005.

tug ►  
verslag  
conferentie  
eurotex 2005

◀ Taco Hoekwater ▶

Maps 32 2005

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# Maps 33 2005

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Wachten op een Ca-tas-tro-fe

Jewel case listings for mp3 cdroms

Font installation the shallow way

Installing Expert Fonts: Minion Pro

Hyphenation Patterns

What do you do with ConT<sub>E</sub>Xt?

Een uittreksel uit de recente bijdragen in het CTAN archief

Color separation in two-color printing

Powerdot — making presentations with L<sup>A</sup>T<sub>E</sub>X

Managing a network T<sub>E</sub>X installation under Windows

An Introduction to MetaUML — Exquisite UML Diagrams in MetaPost

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**titles**

**introduction**

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**publications**

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**authors**

**titles**

**help**

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**exit**

# Redactioneel

*geen samenvatting (no abstract)*

◀ Wybo Dekker ▶

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p 1  114 kB

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# Wachten op een Ca-tas-tro-fe

*geen samenvatting (no abstract)*

spelling  
afbreken  
patronen

◀ Maarten Sneep

Maps 33 2005

p 2-3  130 kB

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# Jewel case listings for mp3 cdroms

Making jewel case listings for mp3 cdroms is a particular challenge, since up to about ten times as much information has to be on them as on jewel cases for regular audio disks. Here T<sub>E</sub>X's abilities to adjust entire paragraphs, as opposed to just single lines, shine at you.

mp3  
jewel case  
paragraph filling  
grip  
ripping  
audio

Dennis van Dok

Maps 33 2005

p 4-13  326 kB

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# Font installation the shallow way

For one-off projects, you can cut corners with font installation and end up with a more manageable set of files and a cleaner T<sub>E</sub>X installation. This article shows how and why.

[◀ font installation ▶](#)

[afm2pl](#)

[afm2tfm](#)

[TrueType](#)

[pdf<sub>te</sub>x ▶](#)

[mapfiles](#)

[◀ Siep Kroonenberg ▶](#)

Maps 33 2005

[p 14-18](#)  [333 kB](#)

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[exit](#)



# Installing Expert Fonts: Minion Pro

Installing fonts for ConT<sub>E</sub>Xt can be intimidating business. In this issue we take on a real monster: a collection of Adobe Minion Pro expert fonts. We hope our installation of this collection will provide an illustrative example for ConT<sub>E</sub>Xt users, and help to ease the pain of installing new fonts (if you can install Minion Pro, Myriad Pro and Poetica, you can install just about anything!).

◀ font installation  
◀ ConT<sub>E</sub>Xt ▶  
expert font

Idris Samawi Hamid ▶

Maps 33 2005

p 19-35  323 kB

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# Hyphenation Patterns

*geen samenvatting (no abstract)*

◀ hyphenation  
◀ patterns  
◀ ConT<sub>E</sub>Xt ▶

◀ Hans Hagen ▶

Maps 33 2005

p 36-40  146 kB

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# What do you do with ConT<sub>E</sub>Xt?

User responses to the question: `What do you do with ConT<sub>E</sub>Xt?`.

# Een uittreksel uit de recente bijdragen in het CTAN archief

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief (en mogelijk andere bronnen op het Internet). De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven. De uitgebreidere bijdragen zijn ook geen handleidingen. Beschouw het maar als een soort menukaart die de bedoeling heeft om de lezer lekker te maken.

◀ classes

◀ CTAN

◀ packages ▶

◀ L<sup>A</sup>T<sub>E</sub>X ▶

◀ ConT<sub>E</sub>Xt ▶

◀ graphics ▶

programma's

◀ T<sub>E</sub>X ▶

◀ Piet van Oostrum ▶

Maps 33 2005

p 46-51  511 kB

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## Color separation in two-color printing

The book Basisboek wiskunde (‘Basic Mathematics’) by Jan van de Craats and Rob Bosch was typeset in L<sup>A</sup>T<sub>E</sub>X and submitted for printing as one big pdf-file. In this book one extra color (blue) was used for titles, headings, footings, important formulas, figures and also as a background color for certain pages or parts of text. Jan van de Craats, who did the typesetting, reports on a trick for obtaining color separation without flaws.

◀ color ▶  
separation  
printing

Jan van de Craats

Maps 33 2005

p 52-53  186 kB

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# Powerdot — making presentations with L<sup>A</sup>T<sub>E</sub>X

This article describes some technical details of the powerdot class which was developed during the summer holidays of 2005.

L<sup>A</sup>T<sub>E</sub>X presentations  
powerdot  
prosper  
◀ pstricks  
◀ xkeyval

Henri Adriaens  
Chris Ellison

Maps 33 2005

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# Managing a network T<sub>E</sub>X installation under Windows

*geen samenvatting (no abstract)*

- [miktex ▶](#)
- [texniccenter](#)
- [filename database](#)
- [windows ▶](#)
- [registry](#)
- [roaming profiles ▶](#)
- [graphic file formats](#)

◀ [Siep Kroonenberg](#) ▶

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[exit](#)

# An Introduction to MetaUML — Exquisite UML Diagrams in MetaPost

MetaUML is a GNU GPL MetaPost library for typesetting exquisite UML (Unified Modeling Language) diagrams. MetaUML offers a highly customizable, object-oriented API, designed with the ease of use in mind. This paper presents usage examples as well as a description of MetaUML infrastructure. This infrastructure may prove useful for general MetaPost typesetting, providing object-oriented replacements and enhancements to functionalities offered by the boxes package.

[◀ MetaPost ▶](#)

[◀ T<sub>E</sub>X ▶](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

[UML](#)

[class diagram](#)

[state machine diagram](#)

[use case diagram](#)

[activity diagram](#)

Ovidiu Gheorghies

Maps 33 2005

[p 65-78](#)  [315 kB](#)

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# Maps 34 2006

Redactioneel

Nog een laatste dingetje ... — ... de i-Installer zoekt een nieuwe beheerder

What tools do ConT<sub>E</sub>Xt users have?

Announcement: ConT<sub>E</sub>Xt user meeting 2007

MkII - MkIV

Display Math in ConT<sub>E</sub>Xt

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The New Font Project: T<sub>E</sub>X Gyre

The making of a (T<sub>E</sub>X) font

Je proefschrift in L<sup>A</sup>T<sub>E</sub>X zetten

Random bit generator in T<sub>E</sub>X

Enjoy T<sub>E</sub>X pearls diving!

Epspdf

David Walden interview

The `isodoc' class

Creating a Dust-cover in ConT<sub>E</sub>Xt

TUG 2006 report

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# Redactioneel

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◀ **Taco Hoekwater** ▶  
◀ **Wybo Dekker** ▶

Maps 34 2006

**p 1**  **104 kB**

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# Nog een laatste dingetje ... — ... de i-Installer zoekt een nieuwe beheerder

*geen samenvatting (no abstract)*

i-installer  
i quit  
gerben wierda

◀ Taco Hoekwater ▶

Maps 34 2006

p 2  162 kB

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# What tools do ConT<sub>E</sub>Xt users have?

This article describes the tools that are available for running ConT<sub>E</sub>Xt, for testing, finding, analysing files, installing fonts, and more

◀ ConT<sub>E</sub>Xt ▶

◀ tools

◀ scripts ▶

◀ Hans Hagen ▶

Maps 34 2006

p 3-7  209 kB

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# Announcement: ConT<sub>E</sub>Xt user meeting 2007

*geen samenvatting (no abstract)*

◀ ConT<sub>E</sub>Xt ▶  
◀ meeting ▶  
◀ announcement ▶

◀ Taco Hoekwater ▶  
◀ Hans Hagen ▶

Maps 34 2006

p 8  166 kB

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## MkII - MkIV

This article is the first in a series about ConT<sub>E</sub>Xt and luatex. For those who use ConT<sub>E</sub>Xt it is a progress report of the development process and the choices that are being made. For those not using ConT<sub>E</sub>Xt it gives some insight in what luatex is about.

◀ ConT<sub>E</sub>Xt ▶  
mkii  
mkiv  
luatex ▶

◀ Hans Hagen ▶

Maps 34 2006

p 9-21  271 kB

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# Display Math in ConT<sub>E</sub>Xt

This article explains how to do various kinds of alignments in ConT<sub>E</sub>Xt. A visual output is presented, and it is then shown how that effect can be achieved in L<sup>A</sup>T<sub>E</sub>X and ConT<sub>E</sub>Xt. We hope that article will make the transition from L<sup>A</sup>T<sub>E</sub>X with amsmath package to ConT<sub>E</sub>Xt easier.

◀ ConT<sub>E</sub>Xt ▶  
◀ math ▶  
amstex

Aditya Mahajan ▶

Maps 34 2006

p 22-34  294 kB

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# Metapost Developments

The new release of metapost includes some new features as well as a number of bugfixes. The new functionality includes: the possibility to use a template for the naming of output files; support for cmyk and greyscale color models; per-object Postscript specials; the option to generate Encapsulated Postscript files adhering to Adobe's Document Structuring Conventions; the ability to embed re-encoded and/or subsetted fonts; and support for the GNU implementation of troff (groff).

- ◀ metapost ▶
- filename templates
- cmyk color
- greyscale
- object specials
- encapsulated postscript ▶
- font inclusion
- groff

◀ Taco Hoekwater ▶

Maps 34 2006

p 35-37  166 kB

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# Announcement: EuroBachotEX 2007

*geen samenvatting (no abstract)*

[eurotex ▶](#)  
[bachotex ▶](#)  
[◀ announcement ▶](#)

[Jerzy Ludwichowski ▶](#)

Maps 34 2006

**p 38**  **107 kB**

[view](#)

# Appendix G illuminated

This paper aims to provide a collection of illustrations to Appendix G of the texbook. To begin with, I will summarize briefly the main issues of the texbook which will be dealt with here; next, I confine myself to the explanation of the figures. Naturally, I will use the same notation as is used in Appendix G.

[◀ math](#)  
[texbook](#)

[◀ Bogusław Jackowski](#)

Maps 34 2006

[p 39-46](#)  [2085 kB](#)

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# The New Font Project: T<sub>E</sub>X Gyre

In this short presentation, we will introduce a new project: the “LM-ization” of the free fonts that come with T<sub>E</sub>X distributions. We will discuss the project objectives, timeline and cross-LUG funding aspects.

◀ fonts ▶

◀ Hans Hagen ▶  
◀ Jerzy Ludwichowski  
Volker Schaa ▶

Maps 34 2006

p 47-50  240 kB

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# The making of a (T<sub>E</sub>X) font

We want to introduce a new display font to the T<sub>E</sub>X community. The font is a digitization of a series of Duane Bibby drawings, commissioned by Pragma ADE. The digital version for use with ConT<sub>E</sub>Xt is prepared by Bitttext based on scans provided by Pragma ADE.

◀ fonts ▶

cowfont

**Duane Bibby**

◀ Taco Hoekwater ▶

◀ Hans Hagen ▶

Maps 34 2006

p 51-54  995 kB

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# Je proefschrift in L<sup>A</sup>T<sub>E</sub>X zetten

In dit artikel beschrijf ik hoe ik mijn proefschrift in L<sup>A</sup>T<sub>E</sub>X gezet heb. Ik ga in op mijn werkomgeving, de extra pakketten die ik gebruikte, de (lokale) truuks die ik in het bronbestand gebruikte en de problemen die ik ondervond (en oplossingen daarvoor).

Paul Lemmens

Maps 34 2006

p 55-64  378 kB

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# Random bit generator in T<sub>E</sub>X

Een in T<sub>E</sub>X gecodeerde randomgenerator maakt het mogelijk om willekeurige getallen en beslissingen te verwerken in de productie van documenten.

[Hans van der Meer ▶](#)

Maps 34 2006

[p 65-67](#)  [206 kB](#)

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# Enjoy T<sub>E</sub>X pearls diving!

The BachoT<sub>E</sub>X 2006 conference continued the Pearls of T<sub>E</sub>X Programming open session introduced in 2005 during which volunteers present T<sub>E</sub>X-related tricks and shorties.

◀ bachotex ▶  
tricks

Paweł Jackowski ▶

Maps 34 2006

p 68-77  291 kB

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# Epspdf

This article introduces epspdf, a converter between eps, PostScript and pdf which can be run either via a graphical interface or from the command-line.

◀ [encapsulated postscript](#)  
◀ [pdf](#) ▶  
[converter](#)  
[graphical interface](#)  
[command-line](#)

◀ [Siep Kroonenberg](#) ▶

Maps 34 2006

[p 78-80](#)  [232 kB](#)

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## David Walden interview

There's a treasure URL on the TUG site, where Dave Walden has collected a number of excellent interviews with key people of the T<sub>E</sub>X community - a lively `Who's Who' for anyone who has met some T<sub>E</sub>X luminaries or seen them in action during conferences. The interviews go way beyond the obvious as Dave invites his guests to respond to his lucid questions. The result is a growing collection of significantly detailed portraits of the people who have made the T<sub>E</sub>X landscape the way it is today. Even if you've known one of the featured people for years, you're certain to discover something interesting about this person that you've never been aware of. Although there is an excellent interview with Dave himself on the site, conducted by Karl Berry, we decided to interview Dave for MAPS, exploring some subjects that were mentioned in his online conversation with Berry. You might want to read that interview first to have context for some of the questions and answers in this interview.

◀ interview  
Dave Walden

◀ Frans Goddijn ▶

Maps 34 2006

p 81-84  1867 kB

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# The ``isodoc'` class

The ``isodoc'` class can be used for the preparation of letters, invoices, and, in the future, similar documents. Documents are set up with options, thus making the class easily adaptable to user's wishes and extensible for other document types.

[isodoc](#)  
[letters](#)  
[examples](#)  
◀ **L<sup>A</sup>T<sub>E</sub>X** ▶

◀ [Wybo Dekker](#)

Maps 34 2006

[p 85-101](#)  [1025 kB](#)

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# Creating a Dust-cover in ConT<sub>E</sub>Xt

This short article describes how to setup a dust-cover for a book, using the standard features available in ConT<sub>E</sub>Xt.

[dust-cover](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

**Geert Verhaag**

Maps 34 2006

**p 102-104**  **1084 kB**

[view](#)

[publications](#)

[keywords](#)

[authors](#)

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# TUG 2006 report

After TUG 2003 in America (Hawaii - USA), TUG 2004 in Europe (Xanthi - Greece), TUG 2005 in Asia (Wuhan - China), the TUG 2006 was held in Africa, more precisely in Marrakesh. Processing multilingual e-documents went beyond the limits of its traditional cultural areas and new horizons in the internationalization of T<sub>E</sub>X were explored.

◀ tug ▶  
marrakesh

◀ Taco Hoekwater ▶

Maps 34 2006

p 105-108  4285 kB

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# Maps 35 2007

Redactioneel

TUG conference 2007

René van der Heijden

The MPLib Project — MetaPost as a reusable component

Tokens in Luatex

Integrating the pool file

PDF / Tikz

External graphics for L<sup>A</sup>T<sub>E</sub>X

Review: Alphabetgeschichten

Folding Sheets for a Modular Origami Dodecalendar

ConT<sub>E</sub>Xt user meeting 2007

EuroBachoT<sub>E</sub>X 2007

Miktex installeren valt erg mee

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

Maps 35 2007

p 1  227 kB

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# TUG conference 2007

*geen samenvatting (no abstract)*

◀ tug ▶  
san diego  
◀ announcement ▶

◀ Taco Hoekwater ▶

Maps 35 2007

p 2  398 kB

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# René van der Heijden

*geen samenvatting (no abstract)*

obituary

◀ Taco Hoekwater ▶

Maps 35 2007

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# The MPLib Project — MetaPost as a reusable component

*geen samenvatting (no abstract)*

◀ metapost ▶  
project  
◀ library  
reuse ▶

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶

Maps 35 2007

p 4  86 kB

view

# Tokens in Luatex

*geen samenvatting (no abstract)*

◀ luatex ▶

◀ tokens

TeX internals

◀ Hans Hagen ▶

Maps 35 2007

p 5-8  97 kB

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# Integrating the pool file

This short article discusses the method that is used in Metapost and luatex to integrate the string pool file into the program. This method allows the redistribution of a single updated executable in place of both a program and a data file, and this makes updating those programs easier on both the user and the developer.

[◀ luatex ▶](#)  
[◀ metapost ▶](#)  
**string pool**  
[◀ programming](#)

[◀ Taco Hoekwater ▶](#)

Maps 35 2007

[p 9-10](#)  [99 kB](#)

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## PDF / Tikz

For those who are looking for an alternative for external graphic drawing tools, PGF / TikZ offers a wealth of possibilities. PGF is a macro-package that, together with its user interface TikZ, comprises a kind of 'graphics language' to build graphics inside the text as inline graphics or as pictures of larger size. PGF is a macro-package originally written for L<sup>A</sup>T<sub>E</sub>X. In the meantime it is also available for use within ConT<sub>E</sub>Xt. The package comes with a large set of libraries for different kinds of graphics. There is extensive documentation and a tutorial. For support a mailing list and web-site are available. Users of the package with ConT<sub>E</sub>Xt have to install the xkeyval package version 1.8. PGF and TikZ are distributed under the GNU Public License version 2.

[graphics language](#)

[◀ L<sup>A</sup>T<sub>E</sub>X ▶](#)

[◀ ConT<sub>E</sub>Xt ▶](#)

[◀ Willi Egger ▶](#)

Maps 35 2007

[p 11-17](#)  [173 kB](#)

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# External graphics for L<sup>A</sup>T<sub>E</sub>X

In this article, we discuss graphics file formats, software to create graphics and procedures to convert them to L<sup>A</sup>T<sub>E</sub>X- and pdflatex-compatible formats.

- ◀ graphics
- converting
- ◀ bitmap
- ◀ vector
- compression
- eps
- ◀ pdf
- jpeg
- lossy
- lossless
- ◀ resolution

◀ Siep Kroonenberg ▶

Maps 35 2007

p 18-26  523 kB

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# Review: Alphabetgeschichten

*geen samenvatting (no abstract)*

◀ Hermann Zapf

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶

Maps 35 2007

p 27-29  8867 kB

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# Folding Sheets for a Modular Origami Dodecalendar

Twelve square sheets of paper can be folded in such a way that they can be assembled to a pentagon dodecahedron (origami). The single units are called modules, hence the name modular. If the sheets bear calendrical information at the right places, the dodecahedron shows the calendar for each month on its faces: the dodecalendar. In this article we let MetaPost calculate piece by piece the information that needs to be printed on the module paper to enable us to fold the modules and assemble the dodecahedron.

[◀ metapost ▶](#)  
[◀ tutorial](#)

Richard Hirsch

Maps 35 2007

[p 30-36](#)  [342 kB](#)

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# ConT<sub>E</sub>Xt user meeting 2007

*geen samenvatting (no abstract)*

◀ report ▶  
epen

Mojca Miklavec ▶

Maps 35 2007

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# EuroBachotEX 2007

*geen samenvatting (no abstract)*

- ◀ report
- ◀ bachotex
- ◀ eurotex

◀ Michael Guravage ▶

Maps 35 2007

**p 43-50**  **2416 kB**

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# Miktex installeren valt erg mee

*geen samenvatting (no abstract)*

◀ miktex ▶  
◀ windows

◀ Frans Goddijn ▶

Maps 35 2007

p 51-54  684 kB

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# Maps 36 2007

Redactioneel

TUG conference 2008

Typesetting CJK and other exotic characters using L<sup>A</sup>T<sub>E</sub>X and xeL<sup>A</sup>T<sub>E</sub>X — Anything goes ...

Met XeT<sub>E</sub>X meertalig — Talen en fonts in T<sub>E</sub>X

What is it about all those \*T<sub>E</sub>Xs

Book Review: Fonts and Encodings — by Yannis Haralambous

On reading Fonts & Encodings

Latin Modern Nederlands

Theorems in ConT<sub>E</sub>Xt

Exam Papers — Posing Questions to Students

Revision control for T<sub>E</sub>X documents — An overview

The luafication of T<sub>E</sub>X and ConT<sub>E</sub>Xt

DHZ boek

Notes on Self-publishing

ConT<sub>E</sub>Xt conference 2008

MetaPost library project

The MetaPost Library

Reshaping Euler — A collaboration with Hermann Zapf

Blocks and Arrows with MetaPost

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

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# TUG conference 2008

*geen samenvatting (no abstract)*

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[cork ▶](#)  
[◀ announcement ▶](#)

[◀ Taco Hoekwater ▶](#)

Maps 36 2007

[p 2](#)  [1838 kB](#)

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# Typesetting CJK and other exotic characters using L<sup>A</sup>T<sub>E</sub>X and xeL<sup>A</sup>T<sub>E</sub>X

## — Anything goes (well, almost ...)

This paper tries to illustrate some of the particularities of typesetting CJK characters using several flavors of L<sup>A</sup>T<sub>E</sub>X. Special attention is given to Japanese. A short introduction is given about the nature of the character scripts and the special demands those alphabets put on character and font encodings. Typesetting Japanese using p(te)L<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X, Lambda, and XeL<sup>A</sup>T<sub>E</sub>X is discussed. Special discussion is given to XeL<sup>A</sup>T<sub>E</sub>X, and the possibilities of including annotation markup and vertical typesetting in Japanese texts using XeL<sup>A</sup>T<sub>E</sub>X. It will be shown that although typesetting vertical material is possible with XeT<sub>E</sub>X v0.997, more development work will be needed in this area to create a dependable vertical typesetting system.

XeT<sub>E</sub>X ▶

XeL<sup>A</sup>T<sub>E</sub>X

◀ CJK

◀ unicode

horizontal and vertical typesetting

Japanese

Wilfred van Rooijen

Maps 36 2007

p 3-12  10651 kB

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# Met XeTeX meertalig — Talen en fonts in T<sub>E</sub>X

This article is an adaptation of the lecture I gave at the NTG spring meeting of 8 June 2007. This article begins with a little background information about languages, scripts, and fonts. The second part of the article gives some examples of multilingual use of T<sub>E</sub>X, using XeT<sub>E</sub>X. Dit artikel is een bewerking van de lezing die ik op de NTG voorjaarsbijeenkomst van 8 juni 2007 heb gehouden. Dit artikel begint met wat achtergrondinformatie over talen, schriften en fonts. Het tweede deel van het artikel geeft een aantal voorbeelden van meertalig T<sub>E</sub>X-gebruik met behulp van XeT<sub>E</sub>X.

[talen](#)  
[schrift](#)  
[◀ fonts ▶](#)  
[◀ xetex](#)

[Jelle Huisman ▶](#)

Maps 36 2007

[p 13-17](#)  [213 kB](#)

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# What is it about all those \*T<sub>E</sub>Xs

This short article describes the different ‘layers’ in a T<sub>E</sub>X system, the differences between T<sub>E</sub>X engines, extensions, macro packages, and distributions. I hope to take away some of the confusions that people new to T<sub>E</sub>X and less technically inclined people have when they are confronted with terms like pdftex, texlive, tetex, miktex, pdflatex and so on.

[tex](#) ▶

[latex](#)

◀ [miktex](#)

[tetex](#)

[texlive](#)

[etex](#)

◀ [pdftex](#)

[pdfetex](#)

◀ [Piet van Oostrum](#) ▶

Maps 36 2007

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# Book Review: Fonts and Encodings — by Yannis Haralambous

*geen samenvatting (no abstract)*

◀ fonts ▶  
◀ encodings  
◀ book review

◀ Ulrik Vieth ▶

Maps 36 2007

p 22-23  127 kB

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# On reading Fonts & Encodings

Stated briefly: "should I buy this book?" YES.

[Luigi Scarso ▶](#)

[Maps 36 2007](#)

[p 24](#)  [83 kB](#)

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# Latin Modern Nederlands

This article discusses how some typical Dutch language related typesetting issues are dealt with in Latin Modern by means of the language and script tags.

◀ fonts ▶  
ij  
ligature  
opentype

◀ Hans Hagen ▶

Maps 36 2007

p 25-26  26 kB

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# Theorems in ConT<sub>E</sub>Xt

This article explains some of the recent advancements in ConT<sub>E</sub>Xt enumeration mechanism that handles most of the requirements of theorem-like constructions.

[context](#) ▶  
[theorems](#)  
[enumerations](#)

◀ [Aditya Mahajan](#) ▶

Maps 36 2007

[p 27-32](#)  [131 kB](#)

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# Exam Papers — Posing Questions to Students

Exam is a module for consistent production and maintenance of student examinations. Provided for are various types of questions such as with long and small answers, yes/no questions and multiple choice.

[◀ context ▶](#)  
[examination ▶](#)  
[multiple choice ▶](#)

[◀ Hans van der Meer ▶](#)

Maps 36 2007

[p 33-38](#)  [216 kB](#)

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# Revision control for T<sub>E</sub>X documents — An overview

Revision control is the management of multiple versions of the same unit of information. Originating in formalized processes in engineering, it was first automated for managing source code for computer software. Since T<sub>E</sub>X documents are like source code, they lend themselves well to being managed by a revision control system. Systems like RCS and git are very suitable for single writers working on their own projects. More elaborate systems like CVS and subversion are more suited for groups cooperating on projects. It takes more effort to master them. For most single users, git is the best alternative for multi-file projects, followed by RCS for working on single T<sub>E</sub>X files.

revision control  
subversion

RCS

CVS

git

◀ Roland Smith

Maps 36 2007

p 39-42  190 kB

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# The luafication of T<sub>E</sub>X and ConT<sub>E</sub>Xt

*geen samenvatting (no abstract)*

lua ▶  
◀ tex  
◀ context ▶

◀ Hans Hagen ▶

Maps 36 2007

p 43-50  138 kB

view

# DHZ boek

It is becoming easier to produce a book, while for publishers it is less interesting to invest in new authors. Publishing on your own looks natural, but if you want to do it beautifully, it is a challenge. Het wordt steeds makkelijker om zelf een boek te produceren terwijl het voor uitgevers steeds minder interessant wordt om in nieuwe auteurs te investeren. Zelf publiceren ligt voor de hand maar als je het mooi wil doen is het een uitdaging.

doe het zelf  
boek  
online drukker  
pod

◀ Frans Goddijn

Maps 36 2007

p 51-52  111 kB

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# Notes on Self-publishing

This note summarizes what I have learned about self-publishing.

[self-publishing](#)  
[← publishers](#)  
[cost](#)

Dave Walden

Maps 36 2007

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# ConT<sub>E</sub>Xt conference 2008

*geen samenvatting (no abstract)*

◀ meeting ▶  
bohinj  
◀ announcement ▶

◀ Taco Hoekwater ▶

Maps 36 2007

p 65  424 kB

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# MetaPost library project

*geen samenvatting (no abstract)*

◀ metapost ▶  
mplib ▶  
◀ reuse ▶

◀ Taco Hoekwater ▶  
◀ Hans Hagen ▶

Maps 36 2007

p 66-68  131 kB

# The MetaPost Library

*geen samenvatting (no abstract)*

◀ metapost ▶  
◀ mplib ▶  
◀ luatex ▶

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶

Maps 36 2007

**p 69-81**  **113 kB**

view

# Reshaping Euler — A collaboration with Hermann Zapf

*geen samenvatting (no abstract)*

◀ fonts  
euler  
update

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶  
◀ Volker Schaa

Maps 36 2007

p 82-84  705 kB

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# Blocks and Arrows with MetaPost

Typesetting of blocks and arrows in ConT<sub>E</sub>Xt with MetaPost.

- ◀ metapost
- ◀ context ▶
- ◀ color ▶
- drawing
- block
- arrow
- label ▶

◀ Hans van der Meer ▶

Maps 36 2007

p 85-89  211 kB

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# Maps 37 2008

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TUG conference 2009

The T<sub>E</sub>X-lua mix

Putting the Cork back in the bottle

PDF genereren voor e-readers

Dealing with xml in ConT<sub>E</sub>Xt MkIV

Printing labels with ConT<sub>E</sub>Xt

Printing envelopes with ConT<sub>E</sub>Xt

CD and DVD covers in ConT<sub>E</sub>Xt

Punk from Metafont to MetaPost

How to Convince Don and Hermann to use LuaT<sub>E</sub>X

The Punk Module

T<sub>E</sub>Xworks: lowering the barrier to entry

T<sub>E</sub>X Live 2008 and the T<sub>E</sub>X Live Manager

EuroT<sub>E</sub>X conference 2009

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

Maps 37 2008

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# TUG conference 2009

*geen samenvatting (no abstract)*

◀ tug

◀ cork

◀ announcement ▶

◀ Taco Hoekwater ▶

Maps 37 2008

p 2  179 kB

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# The T<sub>E</sub>X-lua mix

An introduction to the combination of T<sub>E</sub>X and the scripting language Lua.

◀ Hans Hagen ▶

Maps 37 2008

p 3-11  72 kB

## Putting the Cork back in the bottle

Until recently, all of the hyphenation patterns available for different languages in T<sub>E</sub>X were using 8-bit font encodings, and were therefore not directly usable with UTF-8 T<sub>E</sub>X engines such as XeT<sub>E</sub>X and LuaT<sub>E</sub>X. When the former was included in T<sub>E</sub>X Live in 2007, Jonathan Kew, its author, devised a temporary way to use them with XeT<sub>E</sub>X as well as the "old" T<sub>E</sub>X engines. Last spring, we undertook to convert them to UTF-8, and make them usable with both sorts of T<sub>E</sub>X engines, thus staying backwardly compatible. The process uncovered a lot of idiosyncrasies in the pattern-loading mechanism for different languages, and we had to invent solutions to work around each of them.

◀ Mojca Miklavc  
Arthur Reutenauer ▶

Maps 37 2008

p 12-16  268 kB

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## PDF genereren voor e-readers

Notudoc is a commercial Internet application ConT<sub>E</sub>Xt uses for the on-the-fly generation of PDF documents, for the e-readers of , and more. This article gives a look behind the scenes. NotuDoc is een commerciële internet applicatie die ConT<sub>E</sub>Xt gebruikt voor het on-the-fly genereren van pdf documenten, onder andere voor de e-readers van iRex technologies. Dit artikel geeft een blik achter de schermen.

◀ **Taco Hoekwater** ▶

Maps 37 2008

p 17-24  298 kB

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# Dealing with xml in ConT<sub>E</sub>Xt MkIV

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 37 2008

p 25-39  76 kB

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## Printing labels with ConT<sub>E</sub>Xt

Sometimes one needs to print a single label which will be glued onto a package, a large envelope or for the identification of a box. In certain situations one wants to produce a series of identical labels or one needs to typeset whole databases of addresses. ConT<sub>E</sub>Xt offers the possibility of using the XY-arranging procedure to print on each of the labels being present on a sheet. Here a possible approach is presented for labels of the size 105 x 42.3mm i.e. (14 labels on a A4). It is shown how to print a single label but also how to get multiple copies of the same content and how to prepare sheets of labels containing the addresses of a database.

[maps](#) ▶

◀ [context](#) ▶

[layer](#) ▶

◀ [label](#) ▶

**xy-arrangement**

◀ [Willi Egger](#) ▶

Maps 37 2008

[p 40-44](#)  [59 kB](#)

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# Printing envelopes with ConT<sub>E</sub>Xt

Once in a while one has to prepare an envelope with printed address based on the guidelines provided by the Dutch mail service TNT. This short communication shows a way to achieve this with ConT<sub>E</sub>Xt. The article shows the solution for the DL-type of envelope. From there, it is a small step to define other envelopes with different dimensions.

[◀ maps](#)  
[◀ context ▶](#)  
[◀ layer envelope](#)

[◀ Willi Egger ▶](#)

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# CD and DVD covers in ConT<sub>E</sub>Xt

Production of CD and DVD covers in several variations using ConT<sub>E</sub>Xt.

cd  
dvd  
jewelcase

◀ Hans van der Meer ▶

Maps 37 2008

p 48-54  2736 kB



# Punk from Metafont to MetaPost

To make Knuth's punk font usable with ConT<sub>E</sub>Xt MKIV, it had to be converted from Metafont to MetaPost input. This article highlights the most important changes that had to be made in the conversion process.

◀ Taco Hoekwater ▶  
◀ Hans Hagen ▶

Maps 37 2008

p 55-58  38 kB

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# How to Convince Don and Hermann to use LuaT<sub>E</sub>X

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶

Maps 37 2008

p 59-66  11143 kB

# The Punk Module

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 37 2008

**p 67-69**  **541 kB**

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# **T<sub>E</sub>Xworks: lowering the barrier to entry**

A multi-platform competitor for T<sub>E</sub>XShop is described: T<sub>E</sub>Xworks.

◀ editor  
gui

◀ interface  
multi-platform  
tex front-end  
texshop

Jonathan Kew

Maps 37 2008

p 70-72  1169 kB

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# **T<sub>E</sub>X Live 2008 and the T<sub>E</sub>X Live Manager**

T<sub>E</sub>X Live 2008 has been released recently, and the DVDs are ready to go gold. This is the first release of T<sub>E</sub>X Live shipping the T<sub>E</sub>X Live Manager, tlmgr for short. Besides taking over some of the tasks from texconfig (which has never been available for Windows) it finally brings many new features to the T<sub>E</sub>X Live world, most importantly the option for dynamic updates. This article will present the new T<sub>E</sub>X Live Installer, the T<sub>E</sub>X Live Manager, and at the end lists other changes in T<sub>E</sub>X Live 2008.

**Norbert Preining**

**Maps 37 2008**

**p 73-89**  **912 kB**

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# EuroT<sub>E</sub>X conference 2009

*geen samenvatting (no abstract)*

- ◀ context
- ◀ meeting
- the hague
- ◀ announcement

◀ Taco Hoekwater ▶

Maps 37 2008

p 90  107 kB

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# Maps 38 2009

Redactioneel

Do we need a `Cork' math font encoding?

OpenType Math Illuminated

Math in Lua $\TeX$  0.40

Unicode Math in Con $\TeX$ t

Lua $\TeX$  — Halfway

$\TeX$  Programming: The past, the present, and the future

$\TeX$  beauties and oddities

Doe-het-zelf presentaties

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

Maps 38 2009

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## Do we need a `Cork' math font encoding?

The city of Cork has become widely known in the  $\text{T}_{\text{E}}\text{X}$  community, ever since it gave name to an encoding developed at the European  $\text{T}_{\text{E}}\text{X}$  conference of 1990. The `Cork' encoding, as it became known, was the first example of an 8-bit text font encoding that appeared after the release of  $\text{T}_{\text{E}}\text{X}$  3.0, and was later followed by a number of other encodings based on similar design principles. As of today, the `Cork' encoding represents only one out of several possible choices of 8-bit subsets from a much larger repertoire of glyphs provided in fonts such as LatinModern or  $\text{T}_{\text{E}}\text{X}$ Gyre. Moreover, recent developments of new  $\text{T}_{\text{E}}\text{X}$  engines are making it possible to take advantage of OpenType font technology directly, largely eliminating the need for 8-bit font encodings altogether. During the entire time since 1990 math fonts have always been lagging behind the developments in text fonts. While the need for new math font encodings was recognized early on and while several encoding proposals have been discussed, none of them ever reached production quality or became widely used. In this paper, we review the situation of math fonts as of 2008, especially in view of recent developments of Unicode and OpenType math fonts such as the STIX fonts or Cambria Math. In particular, we try to answer the question whether a `Cork' math font encoding is still needed or whether Unicode and OpenType might eliminate the need for  $\text{T}_{\text{E}}\text{X}$ -specific math font encodings.

◀ **Ulrik Vieth** ▶

Maps 38 2009

p 3-11  282 kB

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# OpenType Math Illuminated

In recent years, we have seen the development of new  $\text{T}_\text{E}\text{X}$  engines,  $\text{XeT}_\text{E}\text{X}$  and  $\text{LuaT}_\text{E}\text{X}$ , adopting OpenType font technology for providing Unicode typesetting support. While there are already plenty of OpenType text fonts available for use, both from the  $\text{T}_\text{E}\text{X}$  community and from commercial font suppliers, there is little support for OpenType math fonts so far. Ironically, it was left to Microsoft to develop a standard for OpenType math font information and to provide the first reference implementation of a full-featured OpenType math font. In order to develop the much-needed math support for LatinModern and  $\text{T}_\text{E}\text{X}$ Gyre fonts, it will be crucially important to develop a good understanding of the internals of OpenType math tables, much as it is necessary to develop a good understanding of Appendix G and  $\text{T}_\text{E}\text{X}$ 's parameters to develop math support for traditional  $\text{T}_\text{E}\text{X}$  fonts. In this paper, we try to help improve the understanding of OpenType math internals, summarizing the parameters of OpenType math fonts as well as illustrating the similarities and differences between traditional  $\text{T}_\text{E}\text{X}$  math fonts and OpenType math fonts.

◀ [Ulrik Vieth](#) ▶

Maps 38 2009

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## Math in Lua $\TeX$ 0.40

The math machinery in Lua $\TeX$  has been completely overhauled in version 0.40. The handling of mathematics in Lua $\TeX$  has been extended quite a bit compared to how  $\TeX$ 82 (and therefore PDF $\TeX$ ) handles math. First, Lua $\TeX$  adds primitives and extends some others so that Unicode input can be used easily. Second, all of  $\TeX$ 82's internal special values (for example for operator spacing) have been made accessible and changeable via control sequences. Third, there are extensions that make it easier to use OpenType math fonts. And finally, there are some extensions that have been proposed in the past that are now added to the engine.

[◀ Taco Hoekwater ▶](#)

Maps 38 2009

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# Unicode Math in ConT<sub>E</sub>Xt

This article is complementary to Taco Hoekwater's article about the upgrade of the math subsystem in LuaT<sub>E</sub>X. In parallel (also because we needed a testbed) the math subsystem of ConT<sub>E</sub>Xt has been upgraded. In this article I will describe how we deal with Unicode math using the regular Latin Modern and T<sub>E</sub>X Gyre fonts and how we were able to clean up some of the more nasty aspects of math.

◀ Hans Hagen ▶

Maps 38 2009

p 32-46  297 kB

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# LuaT<sub>E</sub>X — Halfway

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶  
Hartmut Henkel ▶

Maps 38 2009

**p 47-50**  **115 kB**

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# **T<sub>E</sub>X Programming: The past, the present, and the future**

This article summarizes a recent regarding table typesetting. To make the article interesting, I have changed the question and correspondingly modified the solutions. Test3.

◀ ConT<sub>E</sub>Xt ▶

LuaT<sub>E</sub>X ▶

**T<sub>E</sub>X Programming**

◀ **Aditya Mahajan**

Maps 38 2009

**p 51-56**  **64 kB**

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# **T<sub>E</sub>X beauties and oddities**

The BachoT<sub>E</sub>X 2009 conference continued the Pearls of T<sub>E</sub>X Programming open session introduced in 2005 during which volunteers present T<sub>E</sub>X-related tricks and shorties.

◀ Paweł Jackowski ▶

Maps 38 2009

p 57-62  83 kB

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# Doe-het-zelf presentaties

This article shows how one can produce presentations in one's own style, without making use of dedicated presentation packages.

◀ Siep Kroonenberg ▶

Maps 38 2009

p 63-65  910 kB

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LuaT<sub>E</sub>X lunatic

Decorating CD-ROMs and DVDs

The language mix

E16 & DEtool: typesetting language data using ConT<sub>E</sub>Xt

A network T<sub>E</sub>XLive installation

Using T<sub>E</sub>X's language within a course about functional programming

Introducing new French-speaking users to L<sup>A</sup>T<sub>E</sub>X quickly and convincingly

Oriental T<sub>E</sub>X by a dummy

Writing Pitman shorthand with Metafont and L<sup>A</sup>T<sub>E</sub>X

Optimizing PDF output size of T<sub>E</sub>X documents

Generating PDF for e-reader devices

LuaT<sub>E</sub>X says goodbye to Pascal

The Typesetting of Statistics

MetaPost 2 project goals

Using L<sup>A</sup>T<sub>E</sub>X as a computing language

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# EuroT<sub>E</sub>X 2009

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 39 2009

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# EuroT<sub>E</sub>X 2010

*geen samenvatting (no abstract)*

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*geen samenvatting (no abstract)*

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*geen samenvatting (no abstract)*

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# **T<sub>E</sub>X Education**

In this note a proposal about education is made and some education is done. Why not offer a macro writing Master Class, in plain T<sub>E</sub>X&MetaPost via internet, to endorse Minimal Markup and to strive after readable, adaptable, robust and reusable macros, by using paradigms? The macros are destined to be included in a library for reuse in AnyT<sub>E</sub>X. Educational issues are: language, awareness, insight, and T<sub>E</sub>X nique proper. Courseware is indispensable. The personality of the teacher is all important. Self-study is not enough and considered dangerous. A few turtle graphics macros for line-drawing in plain T<sub>E</sub>X, used for sketching a binary tree and fractals, are given. Knuth's macros are used for flowcharts. Of both their advantages and disadvantages are mentioned. Graphics with curved lines, via PostScript and MetaPost, such as envelope, smiley, yin yang, Schröfers opart, and a circle covered by circles are included. 2.5D graphics emulated from Naum Gabo constructive works and Escher's impossible cube, both specified by data in 3D and projected on 2D with the viewing angles as parameters, are supplied. Without explanation Spirals on the sphere and a torus are included. Reuse of macros, pictures, references, tools, formats is relevant with my released in about 1995, as an unusual, integrated example, to be re-released under LPPL after review on the T<sub>E</sub>X Live Distribution DVD of 2010. At the end a suggestion is done to extend MetaPost towards 3D.

2.5D ▶  
automatically numbered items  
awareness  
BabelT<sub>E</sub>X  
binary and trinary tree

◀ ConT<sub>E</sub>Xt ▶  
◀ data integrity  
◀ education  
◀ Escher ▶  
Gabo ▶  
H-fractal  
impossible cube  
insight  
◀ Malevich ▶  
master class  
◀ MetaPost ▶  
◀ minimal markup ▶  
◀ PDF  
◀ PostScript ▶  
◀ plain T<sub>E</sub>X ▶  
regular surface  
◀ reuse  
smiley ▶  
◀ suprematism  
T<sub>E</sub>X Collection DVD  
◀ turtle graphics  
Maps 39 2009  
◀ Kees yin yang Laan ▶

p 5-33  17656 kB

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# Lua<sub>T</sub><sub>E</sub>X lunatic

luatex lunatic is an extension of the Lua language of luatex to permit embedding of a Python interpreter. A Python interpreter hosted in luatex allows macro programmers to use all modules from the Python standard library, allows importing of third modules, and permits the use of existing bindings of shared libraries or the creation of new bindings to shared libraries with the Python standard module ctypes. Some examples of such bindings, particularly in the area of scientific graphics, are presented and discussed. Intentionally the embedding of interpreter is limited to the python-2.6 release and to a luatex release for the Linux operating system (32 bit).

Lua  
Python  
dynamic loading  
ffi.

◀ Luigi Scarso ▶

Maps 39 2009

p 34-58  2468 kB

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## Decorating CD-ROMs and DVDs

After having burned a disk you sometimes need to add a label and, if the disk is stored in a jewel case, a booklet and an inlay for the jewel case. The following article describes how to create a label for the disk on a commercial label-sheet and a booklet and an inlay for the jewel case. The following solutions are based on ConTeXt's built-in layer capabilities.

◀ ConTeXt ▶  
CD-ROM ▶  
DVD ▶  
◀ label ▶  
booklet  
inlay  
layer.

◀ Willi Egger ▶

Maps 39 2009

p 59-71  993 kB

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# The language mix

During the third ConT<sub>E</sub>Xt conference that ran in parallel to EuroT<sub>E</sub>X 2009 in The Hague we had several sessions where MKIV was discussed and a few upcoming features were demonstrated. The next sections summarize some of that. It's hard to predict the future, especially because new possibilities show up once LuaT<sub>E</sub>X is opened up more, so remarks about the future are not definitive.

◀ Hans Hagen ▶

Maps 39 2009

p 72-77  474 kB

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## E16 & DEtool: typesetting language data using ConT<sub>E</sub>Xt

This article describes two recent projects in which ConT<sub>E</sub>Xt was used to typeset language data. The goal of project E16 was to typeset the 16th edition of the Ethnologue, an encyclopaedia of the languages of the world. The complexity of the data and the size of the project made this an interesting test case for the use of T<sub>E</sub>X and ConT<sub>E</sub>Xt. The Dictionary Express tool (DEtool) is developed to typeset linguistic data in a dictionary layout. DEtool (which is part of a suite of linguistic software) uses ConT<sub>E</sub>Xt for the actual typesetting.

◀ Jelle Huisman

Maps 39 2009

p 78-85  615 kB

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# A network T<sub>E</sub>XLive installation

This article describes a network T<sub>E</sub>XLive installation for Windows users and the context in which it operates.

◀ T<sub>E</sub>XLive ▶  
MIKTEX  
installers  
editors

◀ roaming profiles  
Windows Vista

◀ Siep Kroonenberg ▶

Maps 39 2009

p 86-91  740 kB

view

# Using T<sub>E</sub>X's language within a course about functional programming

We are in charge of a teaching unit, entitled , for 4th-year university students in Computer Science. This unit is optional within the curriculum, so students attending it are especially interested in programming. The main language studied in this unit is Scheme, but an important part is devoted to general features, e.g., lexical vs. dynamic scoping, limited vs. unlimited extent, call by value vs. call by name or need, etc. As an alternative to other programming languages, T<sub>E</sub>X allows us to show a language where dynamic and lexical scoping—\def vs. \edef—coexist. In addition, we can show how dynamic scoping allows users to customise T<sub>E</sub>X's behaviour. Other commands related to strategies are shown, too, e.g., \expandafter, \noexpand. More generally, T<sub>E</sub>X commands are related to macros in more classical programming languages, and we can both emphasise difficulty related to macros and show non-artificial examples. So T<sub>E</sub>X is not our unit's main focus, but provides significant help to illustrate some difficult notions.

Functional programming  
T<sub>E</sub>X programming  
lexical vs. dynamic scope  
◀ macros  
evaluation strategies.

◀ Jean-Michel Hufflen ▶

Maps 39 2009

p 92-98  651 kB

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# Introducing new French-speaking users to L<sup>A</sup>T<sub>E</sub>X quickly and convincingly

For four university years, we had to introduce 2nd-year university students in Mathematics to L<sup>A</sup>T<sub>E</sub>X. An important goal was to make them able to use L<sup>A</sup>T<sub>E</sub>X when they are given some long homework in Mathematics the year after (3rd-year university). This teaching unit only included lab classes and was 15 hours long. We present our approach in detail and explain how it was perceived by students.

Teaching L<sup>A</sup>T<sub>E</sub>X  
successive steps of a course  
lab-class-based curriculum  
students' perception

A.-M. Aebischer  
B. Aebischer  
J.-M. Hufflen  
F. Pétiard

Maps 39 2009

p 99-104  648 kB

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# Oriental T<sub>E</sub>X by a dummy

This article is converted from the slides presented at the conference.

◀ Hans Hagen ▶

Maps 39 2009

**p 105-106**  **207 kB**

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# Writing Pitman shorthand with Metafont and L<sup>A</sup>T<sub>E</sub>X

With pen shorthand, the traditional speech-recording method, unwritten speech is at first manually captured and then transliterated into a digital text. We have built programs which reverse the second step of this process, i.e. transform text into shorthand. Here we present as a special case an online system, which converts English text into Pitman 2000 shorthand using Metafont and L<sup>A</sup>T<sub>E</sub>X. The impact of our system on pattern recognition of handwritten shorthand and on stenography teaching is discussed.

Stanislav Jan Šarman

Maps 39 2009

**p 107-111**  **21367 kB**

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# Optimizing PDF output size of T<sub>E</sub>X documents

There are several tools for generating PDF output from a T<sub>E</sub>X document. By choosing the appropriate tools and configuring them properly, it is possible to reduce the PDF output size by a factor of 3 or even more, thus reducing document download times, hosting and archiving costs. We enumerate the most common tools, and show how to configure them to reduce the size of text, fonts, images and cross-reference information embedded into the final PDF. We also analyze image compression in detail. We present a new tool called `pdfsizeopt` which optimizes the size of embedded images and Type1 fonts, and removes object duplicates. We also propose a workflow for PDF size optimization, which involves configuration of T<sub>E</sub>X tools, running `pdfsizeopt` and the Multivalent PDF compressor as well.

◀ Péter Szabó

Maps 39 2009

p 112-130  722 kB

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# Generating PDF for e-reader devices

NotuDoc is a commercial Internet application that uses ConT<sub>E</sub>Xt for the on-the-fly generation of PDF documents for, amongst other things, the e-reader devices of iRex technologies. This articles offers a glimpse behind the scenes.

◀ Taco Hoekwater ▶

Maps 39 2009

p 131-135  735 kB

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# LuaT<sub>E</sub>X says goodbye to Pascal

LuaT<sub>E</sub>X 0.50 features a complete departure from Pascal source code. This article explains a little of the why and how of this change.

◀ Taco Hoekwater ▶

Maps 39 2009

**p 136-140**  **224 kB**

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# The Typesetting of Statistics

The Dutch translation of the 750 page textbook "Introduction to the Practice of Statistics" is typeset using a set of ConT<sub>E</sub>Xt macros. This article gives a short impression of the production process of this book, showing that the use of T<sub>E</sub>X for the actual typesetting was perhaps the least cumbersome part of the process.

◀ Taco Hoekwater ▶

Maps 39 2009

p 141-142  1859 kB

view

# MetaPost 2 project goals

Now that MetaPost 1.200 has been released the time has finally come to focus on the numerical precision extensions that we have been hinting at for some years already. Version 2.000 of MetaPost will have a runtime configurable precision and infinite numeric input range.

◀ Hans Hagen ▶  
◀ Taco Hoekwater ▶

Maps 39 2009

p 143-144  313 kB

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# Using L<sup>A</sup>T<sub>E</sub>X as a computing language

*geen samenvatting (no abstract)*

John Trapp

Maps 39 2009

**p 145-165**  **783 kB**

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# Experiences typesetting mathematical physics

Twenty years ago, the author was just about to start his university studies in math and physics. A year or so later, he not only discovered a fascinating program called T<sub>E</sub>X, but he also got involved in a project of typesetting a series of lecture notes which eventually became book manuscripts for a complete course in theoretical physics. In the end, he spent about seven years working on typing, editing, revising, and formatting more than 2500 book pages containing a large amount of math. While there are many experiences from such a project one could talk about, ranging from issues of project management to document design and layout, this talk will focus on two specific topics: adapting L<sup>A</sup>T<sub>E</sub>X to deal with the specific requirements of mathematical notation in physics and fine-tuning the appearance of math formulas.

◀ **math typesetting  
physics  
notation**

◀ **Ulrik Vieth** ▶

**Maps 39 2009**

**p 166-178**  **480 kB**

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# Abstracts without papers

*geen samenvatting (no abstract)*

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

Maps 40 2010

p 1-1  92 kB

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# The font name mess

*geen samenvatting (no abstract)*

ConT<sub>E</sub>Xt mkiv ▶  
◀ luatex ▶  
font names

◀ Hans Hagen ▶

Maps 40 2010

p 2-8  53 kB

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# Circle Inversions

Circle inversions are exercised and drawn with PostScript operators which are also included in this plain T<sub>E</sub>X document. Interesting pictures will be shown, resulting from inversion of straight line pieces and other procedures. I demonstrate a way to calculate the circle of anti-similitude, by which two circles are inverses of each other. Furthermore, I show how one can transform two distinct circles into two concentric circles. How to draw a circle orthogonal to a circle which passes through one or two points within the circle is done via the circle inversion technique. The above is generalized into finding the circle which cuts the boundary at an arbitrary angle, e.g. 80 degrees, and passes through a point within the circle. Orthogonal circular arcs can form an Escher-like grid, as he used in his Circle Limits. Four variants of the grid of Circle Limits III have been included. The first cuts the boundary at 80 degrees, the second at 90 degrees, and the third with a mixture of both. The fourth is Coxeter's solution. A smiley pattern is inverted in (orthogonal) circular arcs within a circle with the aid of PostScript's `by` (repeated use of) circle inversion. How to draw a circle orthogonal to 1, 2 or 3 other distinct circles is shown. Apollonius problem is solved by the use of the circle inversion transformation and also by transforming the 3 quadratic equations into 1 non-linear equation and a 2x2 system of linear equations, and solving these equations in PostScript and MetaPost. A closer look yielded that we only have to solve one quadratic equation in  $r$ , the radius of the wanted circle, in order to obtain the solution of Apollonius problem. Coding problems in MetaPost will be mentioned and circumvented. I demonstrate the way one can create and use a PostScript library. A plea is made for creating and maintaining a PostScript library of operators, graphics and utilities. A snapshot of this growing library is included. A few tiny but handy PostScript operators are given next to a (numerical) PostScript operator to solve a 3x3 linear system of equations, where partial pivoting is implemented and the calculations are done with the accuracy of the underlying computer arithmetic, which is much better than MetaPost's accuracy for the moment. How to overload a PostScript operator, e.g. `+`, is given. The question whether the PostScript library can be used in MetaPost will be answered. The pearl of the paper is twofold: first the rediscovery that Apollonius problem is solved by the solution of a quadratic equation, and second the operator `+`, which reflects this rediscovery and can be used to obtain all 8 solutions of Apollonius problem. Another gem is `+`, which is suited for the case that one circle contains the other two. The culmination of it all is the operator `+` for drawing the radical circle of three given distinct circles.

◀ Apollonius ▶  
Cabri  
circle inversion  
circle covered by touching circles  
circle limit  
circle of anti-similitude  
Coxeter  
Descartes circle theorem  
◀ Escher ▶  
◀ Java  
Mathematica ▶  
Metafont ▶  
◀ MetaPost ▶  
◀ minimal markup  
mixed-language programming  
orthogonal circles ▶  
overloading polymorphic operator  
Peaucellier-Lipkin linkage  
(partial) pivoting  
◀ plain T<sub>E</sub>X ▶  
PostScript library  
radical circle  
reflection  
Rerich  
Sandaku  
◀ Soddy  
solving 3X3 linear equations  
◀ Maps 40 2010 ▶

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# EuroT<sub>E</sub>X 2010

*geen samenvatting (no abstract)*

Maps 40 2010

**p 66-66**  **324 kB**

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# Grouping in hybrid environments

*geen samenvatting (no abstract)*

◀ ConT<sub>E</sub>Xt mkiv  
◀ luatex  
grouping  
underbar  
overbar  
overstrike  
text backgrounds

◀ Hans Hagen ▶

Maps 40 2010

p 67-71  60 kB

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# Announcement: 4th ConT<sub>E</sub>Xt Meeting

*geen samenvatting (no abstract)*

Maps 40 2010

p 72-72  2213 kB

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# OpenType PostScript fonts with unusual units-per-em values

OpenType fonts with Postscript outline are usually defined in a dimensionless workspace of 1000x1000 units per em (upm). Adobe Reader exhibits a strange behaviour with pdf documents that embed an OpenType PostScript font with unusual upm: this paper describes a solution implemented by LuaT<sub>E</sub>X that resolves this problem.

◀ LuaT<sub>E</sub>X ▶  
ConT<sub>E</sub>Xt Mark IV  
◀ OpenType  
FontMatrix.

◀ Luigi Scarso ▶

Maps 40 2010

p 73-79  417 kB

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# Een uittreksel uit de recente bijdragen in het CTAN archief

This article describes some recent contributions to the CTAN archive (and other internet sources.) The selection reflects what interests me and what I think others may be interested in. It is, therefore, a personal choice, not a comprehensive review.

◀ Piet van Oostrum ▶

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p 80-83  1035 kB

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# Maps 41 2010

Redactioneel

Announcement:

[tlcontrib.metatex.org](http://tlcontrib.metatex.org)

Nieuws van CTAN

Up to ConT<sub>E</sub>Xt MkVI

LuaT<sub>E</sub>X 0.60

Luna - my side of the moon

PDF/A-1a in MKIV

Three things you can do with LuaT<sub>E</sub>X ...

Toward Subtext

Typesetting in LUA using LuaT<sub>E</sub>X

Processing "Computed" Texts

à la Mondrian

NTG Najaarsbijeenkomst 2010

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

Maps 41 2010

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# Announcement:

*geen samenvatting (no abstract)*

Maps 41 2010

p 2-2  44 kB

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TLContrib is a distribution and associated website that hosts contributed, supplementary packages for T<sub>E</sub>XLive. The packages on TLContrib are those not distributed inside T<sub>E</sub>XLive proper for one or several of the following reasons: because they are not free software according to the FSF guidelines, because they contain an executable update, because they are not available on CTAN, or because they represent an intermediate release for testing. Anything related to T<sub>E</sub>X that can not be on T<sub>E</sub>XLive but can still legally be distributed over the Internet can have its place on TLContrib.

# Nieuws van CTAN

Dit artikel beschrijft een aantal recente bijdragen uit het CTAN archief (en andere bronnen op het Internet). De selectie is gebaseerd op wat ik zelf interessant vind en wat ik denk dat voor veel anderen interessant is. Het is dus een persoonlijke keuze. Het heeft niet de bedoeling om een volledig overzicht te geven.

◀ Piet van Oostrum

Maps 41 2010

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# Up to ConT<sub>E</sub>Xt MkVI

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 41 2010

**p 14-18**  **51 kB**

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# LuaT<sub>E</sub>X 0.60

T<sub>E</sub>X Live 2010 will contain LuaT<sub>E</sub>X 0.60. This article gives an overview of the changes between this version and the version on last year's T<sub>E</sub>X Live. Highlights of this release: CWEB code base, dynamic loading of lua modules, various font subsystem improvements including support for Apple .dfont font collection files, braced input file names, extended PDF LUA table, and access to the line breaking algorithm from LUA code.

◀ Taco Hoekwater ▶

◀ Hartmut Henkel ▶

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# Luna - my side of the moon

*geen samenvatting (no abstract)*

◀ Paweł Jackowski

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# PDF/A-1a in MKIV

I present some considerations on electronic document archiving and how MKIV supports the ISO Standard 19500-1 Level A Conformance (PDF/A-1a:2005), an ISO standard for long-term document archiving.

◀ LuaTeX ▶  
ConTeXt MkIV  
PDF/A  
◀ color ▶  
font.

◀ Luigi Scarso ▶

Maps 41 2010

p 31-36  105 kB

# Three things you can do with Lua<sub>T</sub><sub>E</sub>X ...

*geen samenvatting (no abstract)*

**Paul Isambert**

**Maps 41 2010**

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## Toward Subtext

The demands of typesetting have shifted significantly since the original inception of  $\text{T}_{\text{E}}\text{X}$ . Donald Knuth strove to develop a platform that would prove stable enough to produce the same output for the same input over time (assuming the absence of bugs). Pure  $\text{T}_{\text{E}}\text{X}$  is a purely formal language, with no practical notion of the semantic characteristics of the text it is typesetting. The popularity of  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  is largely related to its attempt to solve this problem. The flexibility of  $\text{ConT}_{\text{E}}\text{Xt}$  lends it to a great diversity of workflows. However, document creation is not straight-forward enough to lend itself to widespread adoption by a layman audience, nor is it particularly flexible in relation to its translatability into other important output formats such as HTML. Subtext is a proposed system of designed for providing an easy to use abstraction for interfacing with  $\text{T}_{\text{E}}\text{X}$ , HTML, and other significant markup languages and output formats. By providing a translation layer in which both syntax and the actual effects of translation are defined within simple configuration files, the infinitely large set of typographic workflows can be accomodated without being known in advance. At the same time, once a workflow has been designed within the Subtext system, it should enjoy the same long-term stability found in the  $\text{T}_{\text{E}}\text{X}$  system itself. This article briefly explains the conditions, motivations, and initial design of the emerging system.

generative typesetting  
multi-output  
translation layer  
pre-format

John C. Haltiwanger

Maps 41 2010

p 45-48  70 kB

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# Typesetting in LUA using LuaT<sub>E</sub>X

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 41 2010

**p 49-67**  **104 kB**

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# Processing "Computed" Texts

This article is a comparison of methods that may be used to derive texts to be typeset by a word processor. By 'derive', we mean that such texts are extracted from a larger structure, which can be viewed as a database. The present standard for such a structure uses an xml-like format, and we give an overview of the available tools for this derivation task.

## Typesetting computed texts

◀  $\text{T}_{\text{E}}\text{X}$

◀  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$

◀  $\text{ConT}_{\text{E}}\text{Xt}$  ▶

◀  $\text{X}_{\text{e}}\text{T}_{\text{E}}\text{X}$

◀  $\text{LuaT}_{\text{E}}\text{X}$  ▶

xml

xslt

character maps

XQuery

xsl-fo.

◀ Jean-Michel Hufflen ▶

Maps 41 2010

p 68-78  782 kB

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## à la Mondrian

Mondriaan has worked most of his live as an abstract painter, influenced by the magic realism of Jan Toorop, and by Cubism and Pointillism. He was member of De Stijl and has lived in Paris and in New York. Some of his work seems to have been composed randomly, though he was very precise, as witnessed by the overpainting of various squares in his Victory Boogie-Woogie. Mondriaan's `random' work , is emulated and varied in MetaPost and PostScript, in color, with the lines (position and size) randomly chosen. He was the first painter to frame work by Lozenges. Division of the sides of his is near to the golden ratio. Emulated Lozenges obeying the golden ratio have been included. The variations look nevertheless Mondriaan-esque.

[Art](#)

[◀ color](#)

[cubism](#)

[De Stijl](#)

[golden ratio](#)

[◀ Mondrian](#)

[pointillism](#)

[pseudo-random numbers](#)

[◀ MetaPost ▶](#)

[◀ PostScript ▶](#)

[Toorop](#)

[◀ Kees van der Laan ▶](#)

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Review of by Herbert Voss

Review of by Herbert Voss

A Personal Organizer: PocketDiary

Tagged PDF

Inter-character spacing and ligatures

8th March

Extending CTX with PARI/GP

Customised L<sup>A</sup>T<sub>E</sub>X page layout with LuaT<sub>E</sub>X

LuaT<sub>E</sub>X Lua modules on Linux

Using ConT<sub>E</sub>Xt with Databases

Gabo's Torsion

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

Maps 42 2011

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# Announcement: TUG 2011

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# Review of by Herbert Voss

*geen samenvatting (no abstract)*

◀ Koen Wybo ▶

Maps 42 2011

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# Review of by Herbert Voss

*geen samenvatting (no abstract)*

Nicolaas J.I. Mars

Maps 42 2011

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# A Personal Organizer: PocketDiary

Sometimes, a cheap personal organizer on paper can come in handy. This solution prepared in ConT<sub>E</sub>Xt MKIV provides a range of options to set up such a personal organizer. The point is, that the PocketDiary is printed on a single sided A4 landscape sheet of paper and then folded into a pocket size booklet hereby preventing that unprinted/empty pages are seen. The PocketDiary is easy to make and after 1 week it is simply replaced with a subsequent booklet. A detailed description is given of the system and how to set up a production file. At the end of the article instructions are included how to fold the booklet.

- ◀ Maps
- ◀ Context
- ◀ module
- ◀ lua

◀ Willi Egger ▶

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# Tagged PDF

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

Maps 42 2011

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# Inter-character spacing and ligatures

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

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## 8th March

An OTF with Cyrillic — keyboard and glyphs — is used in PostScript for an 8th March congratulation. The wired-in ASCII code table in T<sub>E</sub>X inhibits keyboarding Cyrillic.

◀ Adobe ▶

afii ▶

◀ ASCII ▶

CID

Cyrillic

EPSF ▶

encoding vector

keyboard layout

lemniscate

minimal encapsulated PostScript ▶

OTF ▶

◀ plain T<sub>E</sub>X ▶

Photoshop ▶

PSlib ▶

qwerty

T<sub>E</sub>X works ▶

◀ Kees van der Laan ▶

Maps 42 2011

p 27-33  581 kB

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# Extending CTX with PARI/GP

This paper shows how to build a binding to PARI GP, the well known computer algebra system, for ConT<sub>E</sub>Xt MKiV, showing also some examples on how to solve some common basic algebraic problems.

◀ LuaT<sub>E</sub>X  
ConT<sub>E</sub>Xt MARKIV  
binding  
PARI/GP

◀ Luigi Scarso ▶

Maps 42 2011

p 34-42  255 kB

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# Customised L<sup>A</sup>T<sub>E</sub>X page layout with LuaT<sub>E</sub>X

The relationship between L<sup>A</sup>T<sub>E</sub>X's page layout parameters and the conventional desktop publishing (DTP) model of a page are explored and formulae to map between them are presented. A sample implementation of those formulae in Lua is provided, showing how to achieve customised page layouts in LuaT<sub>E</sub>X. The placement of crop marks is addressed, and a technique for preparing and adding them to typeset pages is discussed.

Graham Douglas

Maps 42 2011

p 43-54  2969 kB

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# LuaT<sub>E</sub>X Lua modules on Linux

How to use the dynamic Lua module loading abilities in LuaT<sub>E</sub>X under Linux or similar systems.

◀ Taco Hoekwater ▶

Maps 42 2011

p 55-56  44 kB

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# Using ConT<sub>E</sub>Xt with Databases

*geen samenvatting (no abstract)*

Thomas A. Schmitz

Maps 42 2011

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# Gabo's Torsion

Gabo's Torsion is emulated in EPSF, Encapsulated PostScript File format. Gabo's constructive art, Math, Computer Graphics and the use of PostScript are touched upon. Whether PostScript is a suitable language for projection and drawing 3D objects on paper is experienced. An introduction to PostScript aimed at EPSF use, in a nutshell, is included. How to obtain cropped pictures along with the conversion to .pdf is mentioned. An interesting observation is made: Bézier cubics, specified by begin point, the control points and the end point, are invariant under (oblique parallel) projection, which allows to project B-cubics efficiently. The efficient projection of (approximated) circles and ellipses has been addressed. For the evaluation of B-cubics de Casteljau's algorithm is used. Emulations in EPSF of Gabo's Linear Construction in Space No 1 and 2, of one of his Spheric Themes, and his Linear Construction Suspended, are also included. For the MetaFont aficionados my interactive version of old is also included.

◀ 2.5D ▶

art ▶

AFII

◀ ASCII

astroid

**Bernstein polynomials**

**BoundingBox**

**Bézier cubic**

**de Casteljau algorithm**

**ConTEXt**

**cropping on-the-fly**

◀ EPSF ▶

◀ Gabo ▶

hyperboloid

◀ METAFONT

◀ MetaPost ▶

◀ minimal encapsulated PostScript

◀ plain T<sub>E</sub>X ▶

◀ projection ▶

◀ PSlib ▶

stringed surface

TEXworks

◀ Kees van der Laan ▶

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# Preface

*geen samenvatting (no abstract)*

Ján Kula  
Pavel Stríž

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# Selected Abstracts from TEXperience

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# Abstracts without Papers

*geen samenvatting (no abstract)*

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# Mobile TEX: Porting TEX to the iPad

*geen samenvatting (no abstract)*

◀ Arthur Reutenauer

Maps 43 2011

p 84-90  245 kB

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# Playing with Flash in ConTEXT-mkiv

*geen samenvatting (no abstract)*

◀ Luigi Scarso ▶

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# MicroTalk — pdfsplit

*geen samenvatting (no abstract)*

◀ Luigi Scarso ▶

Maps 43 2011

**p 102-115**  **1107 kB**

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# Experiences Typesetting OpenType Math with LuaLATEX and XELATEX

*geen samenvatting (no abstract)*

◀ Ulrik Vieth

Maps 43 2011

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# LuaTEX 0.60

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶  
◀ Hartmut Henkel

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# LuaTEX 0.63 Short Reference

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

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# Subtext — A Proposed Processual Grammar for a Multi-Output Pre-Format

*geen samenvatting (no abstract)*

John Haltiwanger

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# Arranging Pages

*geen samenvatting (no abstract)*

◀ Willi Egger ▶

Maps 43 2011

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# Guide TEX It: Uneasy Beginnings of Typesetters from the Perspective of Non-Typesetters

*geen samenvatting (no abstract)*

Libor Sarga

Maps 43 2011

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# Typesetting of Tables and Lists and Other New Features in TEXonWeb

*geen samenvatting (no abstract)*

Jan Přichystal

Maps 43 2011

**p 166-169**  **106 kB**

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# ConTEXT for 'Zines

*geen samenvatting (no abstract)*

Timothy Eyre

Maps 43 2011

**p 170-181**  **8430 kB**

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# MkIV Hybrid Technology

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

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# Marking Proof-sheets in Publishing Practice and Its Implementation in the TEX System

*geen samenvatting (no abstract)*

Tomáš Hála

Maps 43 2011

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# Fonts with Complex OpenType Tables

*geen samenvatting (no abstract)*

Karel Píška

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Taco Hoekwater ▶

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# Does T<sub>E</sub>X have a future

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶

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# CD and DVD labels

How to make CD and DVD labels by PostScript, to be printed on prefab glued paper, assisted by Photoshop for the conversion of an illustration into EPSF, is explained.

◀ Adobe ▶  
    ◀ afii  
◀ CD-ROM  
◀ ConT<sub>E</sub>Xt ▶  
    ◀ DVD  
    ◀ EPSF ▶  
extending encoding vector  
    ◀ label  
lightscribe  
◀ minimal encapsulated PostScript  
    numero sign  
    ◀ OTF  
◀ Photoshop ▶  
    ◀ plain T<sub>E</sub>X  
    ◀ PSlib ▶  
◀ T<sub>E</sub>X works ▶

◀ Kees van der Laan ▶

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p 8-12  772 kB

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## Review of by Marc van Dongen

Zeggen dat L<sup>A</sup>T<sub>E</sub>X niet gemakkelijk is om aan te leren, is een open deur intrappen. Met een degelijk boek als word je meer dan behoorlijk op weg gezet. Saying that L<sup>A</sup>T<sub>E</sub>X is not easy to learn is a truism. With a good book like L<sup>A</sup>T<sub>E</sub>X and Friends you will more than adequately be put on the road.

◀ Koen Wybo

Maps 44 2013

p 13-14  496 kB

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# Kegelsneden benaderen / Conic approximation

Kegelsneden kunnen systematisch worden benaderd door hoekpunten van een (deel van een) omgeschreven veelhoek. Een algoritme wordt ontwikkeld voor het bepalen van de steunpunten van een iteratieve derdegraads "Bézier" benadering van kegelsneden. Voor de start zijn drie punten nodig. Het algoritme is onafhankelijk van de stand van de kegelsnede. Conic sections can systematically be approximated by vertices of a (part of a) circumscribed polygon. An algorithm is developed for the determination of the support points of a third degree iterative "Bezier" approach of a conic. Initially, three points are needed. The algorithm is independent of the position of the conic section.

C.M. Fortuin

Maps 44 2013

p 15-26  137 kB

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# Classical Math Fractals in PostScript

Classical mathematical fractals in BASIC are explained and converted into mean-and-lean EPSF defs, of which the .eps pictures are delivered in .pdf format and cropped to the prescribed BoundingBox when processed by Acrobat Pro, to be included easily in pdf(La)T<sub>E</sub>X, Word, ... documents. The EPSF fractals are transcriptions of the Turtle Graphics BASIC codes or programmed anew, recursively, based on the production rules of oriented objects. The Lindenmayer production rules are enriched by PostScript concepts. Experience gained in converting a T<sub>E</sub>X script into WYSIWYG Word is communicated.

- Acrobat Pro ▶
- ◀ Adobe ▶
- ◀ art ▶
- attractor ▶
- ◀ backtracking ▶
- ◀ BASIC ▶
- Cantor Dust
- C curve
- dragon curve
- ◀ EPSF ▶
- ◀ FIFO ▶
- ◀ fractal
- fractal dimension
- ◀ fractal geometry ▶
- Game of Life
- Hilbert curve
- IDE (Integrated development Environm
- IFS (Iterated Function System) ▶
- infinity
- kronkel (twist)
- ◀ Lauwerier ▶
- ◀ Lévy ▶
- ◀ LIFO ▶
- ◀ Lindenmayer ▶
- ◀ minimal encapsulated PostScript
- ◀ minimal plain T<sub>E</sub>X ▶
- Minkowski
- Maps 44 2013
- Monte Carlo ▶
- ◀ Pbc ▶
- p 49-78  1672 kB
- ◀ production rule
- ◀ P<sub>B</sub> ▶
- ◀ self-similarity ▶



# Exam Papers Revisited

Described is a module for the consistent production and maintenance of student examinations. It can typeset questions with long or short answers, yes/no questions and multiple choice. The questions are formulated as XML documents and access ConT<sub>E</sub>Xt through a special interface with HTML-like syntax.

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[◀ Hans van der Meer ▶](#)

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# A bit of HTML and a bit of ConT<sub>E</sub>Xt

Described is a module for the typesetting of a subset of HTML operators. These can be used to build data sets in XML with HTML as formatting elements and have them typeset in ConT<sub>E</sub>Xt. Other features are the inclusion of predefined content and provision for language localized words and expressions.

◀ ConT<sub>E</sub>Xt ▶  
◀ HTML  
◀ XML  
include  
vocabulary

◀ Hans van der Meer ▶

Maps 44 2013

p 91-96  83 kB

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# Yet Another Table

Described is a module for the typesetting of tables. The module resembles the L<sup>A</sup>T<sub>E</sub>X tabular environment but is in fact based on a much older package, the origins of which are lost to the author.

# Making the ConT<sub>E</sub>Xt wiki easier to improve

An effort is underway to encourage both reading and editing of the ConT<sub>E</sub>Xt wiki. This article names nine concrete improvements that are part of this effort, and makes a case for each of them. These nine items are the following. To impose structure and to ease navigation: predictable article names; navboxes; and a simple Main Page. To coordinate efforts: a `How this wiki works' page; a village pump; and templates for flagging problems. To make things easy for our editors: templates for common things; template documentation; sandboxes and testcases for templates.

◀ [documentation projects wiki infrastructure](#)  
◀ [ConT<sub>E</sub>Xt](#) ▶

[Sietse Brouwer](#)

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# MetaPost: Numerical engines

After years of talks about future plans for MetaPost 2.0, finally real progress is being made. This paper introduces a pre-release of MetaPost 2 that can optionally use IEEE floating point for its internal calculations instead of the traditional 32-bit integers.

◀ Taco Hoekwater ▶

Maps 44 2013

p 109-113  67 kB

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# Simple Spreadsheets

A ConT<sub>E</sub>Xt spreadsheet module, based on Lua.

◀ Hans Hagen ▶

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**p 114-122**  **63 kB**

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# 5 International ConT<sub>E</sub>Xt Meeting

Conference report.

◀ Michael Guravage ▶

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# Maps 45 2012

Conference program

Recreational use of T<sub>E</sub>X&Co

Julia fractals in PostScript - Fractal Geometry II

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Multiple documents from one source

Database publishing with LuaT<sub>E</sub>X and the speedata Publisher

MetaPost path resolution isolated

Parsing PDF content streams with LuaT<sub>E</sub>X

MFLua: Instrumentation of MF with Lua

Conference portfolio

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# Conference program

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# Recreational use of TeX&Co

Recreational use of TeX&Co in my work is enumerated and elucidated. Examples from MetaFun, from Lancaster's Fonts for Free, from Jackowski&Rycko metafont logo, and from Word have been borrowed. PostScript and let TeX insert mark-up, will be the main subjects of discussion. PostScript is not sufficient for graphics. Now and then MetaPost is used to specify a problem in a declarative way, or at the end Photoshop is used to enrich the graphics interactively by colour gradients. Moreover, for drawing emulations of 3D objects, projection techniques are indispensable. Emulations of Escher's impossible cube and of Gabo's objects are included as 3D-examples. All my pictures have a recreational flavour because none has been triggered by external practical need. Interesting is the combined use of Turtle Graphics and recursion. TeX codes and PostScript codes are compared, although they are like apples and pears intrinsically incomparable, but ... have been used for the same purpose. The most astonishing is that so much from BLUe.tex passed by unnoticed. Pic.dat for TeX-alone pictures has received its cousin library, PSlib.eps, for PostScript pictures. The TeX-MF-flow picture has been updated and included, next to a screen-shot of a nowadays IDE TeX works. In this note I'll try to draw your interest, to persuade you, kind reader, to look at the contents, the paradigms, and the kernel and modules set-up of BLUe.tex. My sincere hope is that BLUe.tex will be saved from oblivion, that the paradigms used will be adhered. The serious undertone in TeX is about minimal mark-up or better still the absence of user mark-up, where TeX will insert the mark-up. The serious undertone in PostScript is about printing along paths, especially for the special cases where the paths are implicit. Handy and convenient is the extended PSlib.eps to over 300 pictures. Critics on TeX&Co and pdfTeX have been included, next to my wishes. After the presentation PSTricks was shown to me, and my comment on it is included.

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[Maps 45 2012](#)  
[Lancaster ▶](#)[◀ Lauzier ▶](#)  
p 346  17707 kB[◀ LIFO ▶](#)[◀ Lindvayer ▶](#)[magic square](#)

# Julia fractals in PostScript - Fractal Geometry II

Lauwerier's BASIC codes for visualization of the usual Julia fractals: JULIAMC, JULIABS, JULIAF, JULIAD, JULIAP, of the Mandelbrot fractal MANDELx, MANDIS, MANDET and his codes for the advanced circular symmetric Julia fractals JULIAS, JULIASYMM, JULIASYM, FRACSYMM, as well as the classical 1D bifurcation picture Collet, have been converted into PostScript defs. Examples of use are included. A glimpse into Chaos theory, in order to understand the principles and peculiarities underlying Julia sets, is given. Bifurcation diagrams of the Verhulst model of limited growth and of the Julia quadratic dynamical system — M-fractal — have been included. Barnsley's triples: fractal, IFS and equivalent dynamical system are introduced. How to use the beginnings of colours in PostScript is explained. How to obtain Julia fractals via Stuif's Julia fractal viewer, and via the special fractal packages Winfract, XaoS, and Fractalus is dealt with. From BASIC codes to PostScript library defs entails software engineering skills. The paper exhibits experimental fractal geometry, practical use of minimal TeX, as well as ample programming, and is the result of my next step in acquainting myself with Lauwerier's 10+ years work on fractals.

- ◀ Acrobat Pro ▶
- ◀ Adobe ▶
- ◀ art ▶
- ◀ attractor
- ◀ backtracking
- Barnsley
- ◀ BASIC
- bifurcation
- Cauchy convergence
- chaos
- circle symmetry
- dynamical systems
- ◀ EPSF ▶
- escape-time algorithm
- Feigenbaum constant
- fractal dimension D
- Fractalus package
- ◀ FIFO ▶
- ◀ fractal geometry
- ◀ IDE (Integrated development Environment)
- ◀ IFS (Iterated Function System)
- Julia ▶
- ◀ Lauwerier ▶
- Mandelbrot ▶
- mathematical software
- ◀ minimal encapsulated PostScript
- ◀ minimal plain TeX
- ◀ Monte Carlo
- ◀ my geometry
- p 47-197  12828 kB
- periodic doubling
- ◀ Photoshopping ▶
- ◀ PSlib ▶

**Mari Voipio**

**Maps 45 2012**

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# MetaPost: PNG Output

The latest version of Metapost (1.80x) has a third output backend: it is now possible to generate PNG bitmaps directly from within Metapost.

◀ Taco Hoekwater ▶

Maps 45 2012

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## Multiple documents from one source

In general LaTeX will produce only one output document. This paradigm shifts when harnessing the power of the so-called shell escape. We will show how to produce multiple output documents with differing content from one single source document. The principle is developed step by step illustrating a typical application in academic teaching. Focusing on mathematical problems we then explore two ways of automating calculations by integrating free software into the LaTeX run.

[mathematics](#)  
[problem sheet](#)  
[shell escape](#)

Leo Arnold

Maps 45 2012

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# Database publishing with LuaT<sub>E</sub>X and the speedata Publisher

*geen samenvatting (no abstract)*

◀ Patrick Gundlach

Maps 45 2012

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# MetaPost path resolution isolated

A new interface in MPLib version 1.800 allows one to resolve path choices programmatically, without the need to go through the MetaPost input language.

◀ Taco Hoekwater ▶

Maps 45 2012

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# Parsing PDF content streams with LuaTeX

The new pdfparser library in LuaTeX allows parsing of external PDF content streams directly from within a LuaTeX document. This paper explains its origin and usage.

◀ Taco Hoekwater

Maps 45 2012

p 112-115  63 kB

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# MFLua: Instrumentation of MF with Lua

We present MetafontLUA, a Metafont version which is capable of code instrumentation and has an embedded Lua interpreter that allows glyphs curves extraction and post-processing. We also show and discuss an example of a Metafont source processed by MetafontLUA to output an OpenType font.

◀ Luigi Scarso

Maps 45 2012

**p 116-123**  **585 kB**

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## Conference portfolio

In accordance to the conference's theme, a workshop for making a portfolio binder has been held. The portfolio was made so it could carry the papers for the conference, such as preprints of the proceedings, additional papers and the carpenter's pencil given to each participant. The construction is made from a single sheet of cardboard with folded flaps along three sides, so that it completely envelopes the content. The portfolio is held closed by a black elastic band.

◀ Willi Egger ▶

Maps 45 2012

**p 124-127**  **58 kB**

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# Oriental T<sub>E</sub>X: optimizing paragraphs

*geen samenvatting (no abstract)*

◀ Hans Hagen ▶  
◀ Idris Samawi Hamid

Maps 45 2012

**p 128-154**  **3321 kB**

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# mlBibT<sub>E</sub>X and Its New Extensions

These last years, mlBibT<sub>E</sub>X's kernel functions have been reused and extended in order to put new programs about bibliographies into action. Examples are the `open` program, allowing an open archive site to be populated, the `bib` program, building bibliographies suitable for the `biblatex` package, the `con` program, doing the same task for ConT<sub>E</sub>Xt documents. We show how all these programs are organised, and explain how some operations can be refined or extended. For a point of view related to efficiency, the programs `open` and `con` are written using pgScheme only, so they are more efficient than analogous programs that would interpret a .bst bibliography style of BibT<sub>E</sub>X.

[BibT<sub>E</sub>X](#)  
[mlBibT<sub>E</sub>X](#)  
[mlbibtex2xml](#)  
[mlbiblatex](#)  
[mlbibcontext](#)  
[LaT<sub>E</sub>X](#)  
[ConT<sub>E</sub>Xt MkII](#)  
[ConT<sub>E</sub>Xt MkIV](#)  
[LuaT<sub>E</sub>X](#)  
[biblatex package](#)  
[bib module](#)

◀ [Jean-Michel Hufflen](#) ▶

Maps 45 2012

[p 155-162](#)  [129 kB](#)

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# Demonstration of the `mlbibcontext' Program

This short statement aims to sketch the broad outlines of the presentation performed at the 6th ConTeXt meeting.

◀ Jean-Michel Hufflen

Maps 45 2012

p 163-164  66 kB

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# Abstracts without papers

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# Redactioneel

*geen samenvatting (no abstract)*

◀ Michael Guravage

Maps 46 2015

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# Memories of Kees

*geen samenvatting (no abstract)*

◀ Erik Frambach

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p 3-4  6519 kB

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# **T<sub>E</sub>X/Shop Review**

This paper is an introduction to and review of the T<sub>E</sub>X/Shop Mac OS X program for typesetting T<sub>E</sub>X/ document source files and previewing the output. Features of this tool and user experience will be presented. This information might be helpful to the novice user, looking for a T<sub>E</sub>X/ typesetting environment on the Mac.

◀ **Frans Absil**

**Maps 46 2015**

**p 5-7**  **496 kB**

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# TextMate

When editing text or code on a Mac, TextMate is an excellent choice. It offers an abundance of features which makes it a great editor for  $\text{T}_{\text{E}}\text{X}$  as well as the macro-packages  $\text{L}^{\text{T}}_{\text{E}}\text{X}$  and  $\text{C}^{\text{o}}\text{nT}_{\text{E}}\text{Xt}$ . Editing HTML, XML and CSS is also supported, as are many other programming languages. Specially tagged texts are quick and easy to write, thanks to autocompletion and placing of start- and end-tags. Further the editor supports projects — a sidebar to the editing window that shows files belonging to the project. Another useful feature is the column selection method and the (near) end of line selection. TextMate offers a clipboard history, so multiple items can be retrieved. TextMate can be customized to a very large extent.

◀ Willi Egger

Maps 46 2015

p 8-12  295 kB

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# **T<sub>E</sub>X/works**

Van de vele beschikbare T<sub>E</sub>X- (L<sup>A</sup>T<sub>E</sub>X-, ConT<sub>E</sub>Xt) editors is T<sub>E</sub>Xworks een vrij nieuwe. Hij munt uit door zijn eenvoud in de gebruikersinterface, de koppeling tussen brontekst en pdf-resultaat en door een grote mate van flexibiliteit. Met behulp van scripts kan men in principe iedere gewenste optie zelf toevoegen.

**Editor**  
**Synctex**  
**← scripts**

**Sytse Knyppstra**

**Maps 46 2015**

**p 13-15**  **294 kB**

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# **T<sub>E</sub>XStudio: speciaal voor L<sup>A</sup>T<sub>E</sub>X starters**

T<sub>E</sub>XStudio is de primaire L<sup>A</sup>T<sub>E</sub>X editor bij de T<sub>E</sub>XLive installatie van onze universiteit. In dit stuk wil ik laten zien waarom ik voor deze editor heb gekozen en waarom T<sub>E</sub>XStudio interessant kan zijn speciaal voor de beginnende L<sup>A</sup>T<sub>E</sub>X-gebruiker en voor een L<sup>A</sup>T<sub>E</sub>X-cursus.

◀ Siep Kroonenberg

Maps 46 2015

p 16-22  648 kB

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# PSlib.eps Catalogue, preliminary and abridged version

A selection of PostScript definitions collected in my library and documented as e-book catalogue is presented. Now and then variant pictures have been included from which comes with . Old Metafont codes have been included which may be useful for MetaPost programmers. Variants of pictures enriched by postprocessing in Photoshop show other possibilities. Escher's doughnut is a teaser which has to be done in MetaPost. Next to comes the file , which contains the pictures in format. The complete , as well as the catalogue as e-book, will be released on occasion of NTG's 25th lustrum which will be celebrated in the fall of 2014, on . A prerelease will be offered to the GUST's file server. The (static) library for T<sub>E</sub>X alone pictures, , packaged with , will be redistributed as well.

- ◀ Apollonius
- Bluebook.eps
- Cantor
- CD-DVD label
- ◀ Deubert
- ◀ Escher ▶
- ◀ flowcharts
- fractals
- ◀ Gabo
- ◀ Julia
- Koch
- ◀ Lancaster
- ◀ Lauwerier ▶
- length Bézier curve
- ◀ Lévy
- ◀ Lindenmayer
- ◀ Mandelbrot
- ◀ Mondriaan
- Op Art
- ◀ orthogonal circles
- ◀ Photoshop ▶
- pie chart
- pi decimals
- ◀ PostScript
- ◀ projection ▶
- PSlib.eps
- ◀ Pythagoras Tree
- Maps 46 2015
- ◀ smiley
- p 23-86  5104 kB
- stars
- (plain)T<sub>E</sub>X
- text along path
- ◀ Kees van Oortman ▶

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# Spirals in PostScript

Curves specified in Polar Coordinates can be elegantly programmed in PostScript with the rotate command; which performs rotations in User Space. This has been shown for the Cardioid, the Limaçon, the Lemniscate, the Archimedes and the Growth spiral. The Gyre-logo has been analyzed and imitated in PostScript. Printing of text along spiral-like belts on a sphere in the projection plane has been done, yielding poor man's typesetting text on a sphere in projection.

- ◀ Acrobat Pro
  - ◀ Adobe
    - ◀ art
    - ◀ BLUe
    - Cardioid
    - ◀ ConT<sub>E</sub>Xt
    - Cornu
    - ◀ EPSF
    - ◀ Escher
    - ◀ FIFO
    - folium Descartes
    - ◀ function-grapher previewer
    - Gyre-logo
    - ◀ hidden lines
    - ◀ IDE (Integrated Development Environ
    - ◀ Jackowski
    - ◀ Lauwerier
    - Lemniscate
    - ◀ LIFO
    - Limaçon
    - ◀ Mathematica
    - ◀ MetaPost
    - ◀ Metafont
    - ◀ minimal encapsulated PostScript
    - ◀ minimal mark-up
    - ◀ minimal plain T<sub>E</sub>X
    - ◀ Photoshop
    - Maps 46 2015
    - polar coordinates
    - ◀ projection
    - p 87-97  3381 kB
    - ◀ PSlib
    - ◀ PSfricks
    - ◀ PSView

◀ Hans Hagen ▶

Maps 46 2015

p 98-100  135 kB

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# LUA in MetaPost

*geen samenvatting (no abstract)*

◀ Hans Hagen

Maps 46 2015

**p 101-108**  **109 kB**

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Adobe ❏❏  
AFII ❏  
ALGOL ❏  
AMS ❏❏  
AMSL<sup>A</sup>T<sub>E</sub>X ❏  
AMST<sub>E</sub>X ❏❏  
Antykwa Półtawskiego ❏  
Antykwa Torunska ❏  
Apollonius ❏❏  
ArabT<sub>E</sub>X ❏  
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armenian ❏  
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arranging pages ❏

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CWI **◀**  
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CyrTUG **◀▶**  
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DOSKEY ✖  
DocuTech ✖✖  
Donald Knuth ✖  
Douat ✖  
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DTP ✖✖  
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dropped capitals **▶**  
dropped caps **▶**  
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drukkers **▶**  
drukkwaliteit **▶**  
dsssl **▶**  
dust-cover **▶**  
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Dennis van Dok **◀**  
Wietse Dol **◀◀**  
Graham Douglas **◀**  
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# Nederlandstalige T<sub>E</sub>X Gebruikersgroep

De Nederlandstalige T<sub>E</sub>X Gebruikersgroep heeft tot doel het in brede zin ondersteunen van de typografische programmeertaal T<sub>E</sub>X en het gelijknamige programma. In dat kader worden regelmatig bijeenkomsten georganiseerd, diverse mailinglijsten ondersteund en een tijdschrift uitgegeven: de MAPS. Meer informatie over de NTG is te vinden op: [www.ntg.nl](http://www.ntg.nl).

The main objective of the Dutch Language Oriented T<sub>E</sub>X Usersgroup is to support the typographic programming language T<sub>E</sub>X as well as the program with the same name. In this perspective, the NTG organizes meetings, supports several mailings lists, and publishes a magazine: the MAPS. More information on the NTG can be found at: [www.ntg.nl](http://www.ntg.nl).

De registers zijn zo opgezet dat met ◀ en ▶ men achteruit en vooruit door de lijst kan springen. In het register zelf gaat men met ◀ en ▶ naar het begin en eind van zo'n gekoppelde lijst.

The registers are set up as linked list and with ◀ and ▶ one can jump backward and forward. In the register itself one can use ◀ and ▶ to jump to the start and end of a list.

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