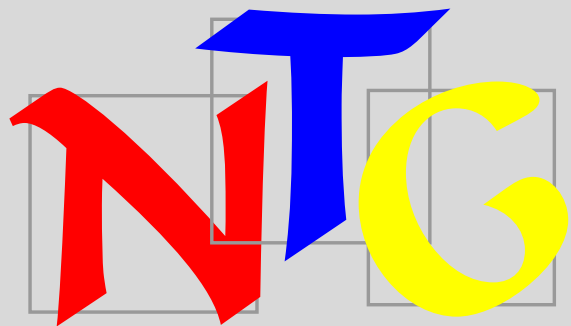




# The MAPS Bibliography

from XML to PDF



# MAPS BIBLIOGRAPHY

Volumes 1-24, March 2001

publications

keywords

authors

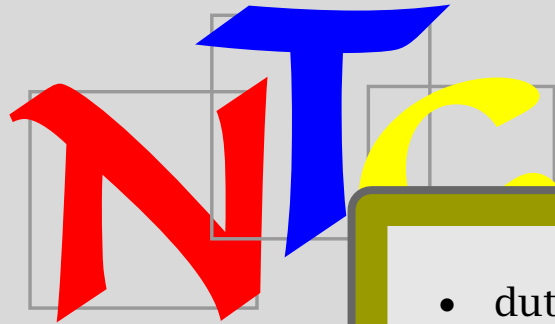
titles

introduction

exit

n

title page



publications

keywords

authors

titles

- dutch/belgian colors
- menu at the right and bottom
- dutch and english texts

title page

## 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.

[publications](#) [keywords](#) [authors](#) [titles](#) [introduction](#) [previous](#) [next](#) [search](#) [exit](#)

◀ METAPOST ▶  
◀ JavaScript ▶  
◀ PDF ▶  
◀ ConT<sub>E</sub>Xt ▶  
◀ pdfT<sub>E</sub>X ▶

◀ Hans Hagen ▶

MAPS 20 1998

p 290-296  201 kB

view

article description

## 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 ▶

publications keywords authors titles

- title lines
- short abstract
- minimal typography
- two menu areas

article description

## Publications

MAPS 1	1988	MAPS 10	1993	MAPS 18	1997
MAPS 2	1989	MAPS 11	1993	MAPS 19	1997
MAPS 3	1989	MAPS 12	1994	MAPS 20	1998
MAPS 4	1990	MAPS 13	1994	MAPS 21	1998
MAPS 5	1990	MAPS 14	1995	MAPS 22	1999
MAPS 6	1991	MAPS 15	1995	MAPS 23	1999
MAPS 7	1991	Proceedings of the ...		MAPS 24	2000
MAPS 8	1992	MAPS 16	1996		
MAPS 9	1992	MAPS 17	1996		

[keywords](#)

[authors](#)

[titles](#)

[introduction](#)

[exit](#)

[keywords](#) [authors](#) [titles](#) [introduction](#) [search](#) [exit](#)

main table of contents

## Publications

MAPS 1	1988	MAPS 10	1993	MAPS 18	1997
MAPS 2	1989	MAPS 11	1993	MAPS 19	1997
MAPS 3	1989	MAPS 12	1994	MAPS 20	1998
MAPS 4	1990	MAPS 13	1994	MAPS 21	1998
MAPS 5	1990	MAPS 14	1995	MAPS 22	1999
MAPS 6	1991	MAPS 15	1995		
MAPS 7	1991	Proceedings			
MAPS 8	1992	MAPS 16	1995		
MAPS 9	1992	MAPS 17	1995		

keywords

authors

titles

keywords authors titles

- rather dull entries
- three columns
- simple right menu

main table of contents

## MAPS 20 1998

Verslag 20e bijeenkomst, 11 november 1997  
Van de Voorzitter (1998/1)  
From the TUG President  
Redactioneel (1998/1)  
Het weten waard  
Financieel verslag 1997  
Jaarverslag ntg 1997  
De NTG en het Internet (1998/1)  
FGBBS op snelheid - verslag van FGBBS  
10 jaar NTG - wat vinden de leden  
Het nieuwe NTG logo  
Why \expandafter is sometimes needed by common users too  
10 jaar NTG  
EuroT<sub>X</sub>'98 in Saint-Malo, France  
Expansion, what is that?  
Color in professional print production  
Microsoft buys T<sub>E</sub>X, plans new products  
Reprint Maps issue #1  
Het zetten van wetenschappelijk werk: 1973 vs 1998 - (Monotype vs ...  
Typografische scanning  
Vlakverdeling in ConT<sub>E</sub>Xt  
ArabT<sub>E</sub>X - Typesetting Arabic with Vowels and Ligatures  
Dartele cijfers: poor man's oldstyle  
DVView, a new previewer

[publications](#) [keywords](#) [authors](#) [titles](#) [introduction](#) [next](#) [search](#) [exit](#)

[publications](#)

[keywords](#)

[authors](#)

[titles](#)

[introduction](#)

[next](#)

[exit](#)

volume table of contents



## MAPS 20 1998

Verslag 20e bijeenkomst, 11 november 1997  
Van de Voorzitter (1998/1)  
From the TUG President  
Redactioneel (1998/1)  
Het weten waard  
Financieel verslag 1997  
Jaarverslag ntg 1997  
De NTG en het Internet (1998/1)  
FGBBS op snelheid - verslag van FGBBS  
10 jaar NTG - wat vinden de leden  
Het nieuwe NTG logo  
Why \expandafter is sometimes needed by c  
10 jaar NTG  
EuroT<sub>E</sub>X'98 in Saint-Malo, France  
Expansion, what is that?  
Color in professional print production  
Microsoft buys T<sub>E</sub>X, plans new products  
Reprint Maps issue #1  
Het zetten van wetenschappelijk werk: 1973  
Typografische scanning  
Vlakverdeling in ConT<sub>E</sub>Xt  
ArabT<sub>E</sub>X - Typesetting Arabic with Vowels a  
Dartele cijfers: poor man's oldstyle  
DVView, a new previewer

publications | keywords | authors | titles

publications

keywords

authors

titles

- local table of contents
- titles limited in length
- simple right menu

volume table of contents

## Keywords

**a**  
abstract ◀▶  
academic ✖  
Acorn ✖  
Acrobat ◀▶  
actions ◀▶  
active documents ✖  
active list separators ◀▶▶  
activities ◀▶  
addresses ◀▶▶  
AdjKerns ✖  
administration ✖  
Adobe ✖  
algorithms ✖  
aligning figures ✖  
alignment ◀▶  
AMS ◀▶  
AMSL<sup>A</sup>T<sub>E</sub>X ✖  
AMST<sub>E</sub>X ◀▶▶  
analytic geometry ✖  
announcement ◀▶▶  
Apollonius ✖  
application ✖

arabic ✖  
ArabT<sub>E</sub>X ✖  
Archimedes ✖  
archives ◀▶▶  
armT<sub>E</sub>X ✖  
Arnhem ◀▶  
arranging pages ✖  
array addressing ✖  
ASCII ✖  
ASCII editors ✖  
AsT<sub>E</sub>X ✖  
Aston ◀▶  
Atari ◀▶▶  
AucT<sub>E</sub>X ✖  
automated font generation ✖  
automated report writing ✖  
automated typesetting ✖  
availability ✖

**b**  
Babel ◀▶▶  
BachoT<sub>E</sub>X ◀▶▶  
back-end ✖

[publications](#) [authors](#) [titles](#) [introduction](#) [next](#) [search](#) [exit](#)

## Keywords

a b  
c d  
e f  
g h  
i j  
k l  
m n  
o p  
q r  
s t  
u v  
w x  
y z

keyword index

## Keywords

a  
abstract ◀▶  
academic ✖  
Acorn ✖  
Acrobat ◀▶  
actions ◀▶  
active documents ✖  
active list separators ◀◀▶▶  
activities ◀▶  
addresses ◀◀▶▶  
AdjKerns ✖  
administration ✖  
Adobe ✖  
algorithms ✖  
aligning figures ✖  
alignment ◀▶  
AMS ◀▶  
AMSL<sup>A</sup>T<sub>E</sub>X ✖  
AMS<sub>L</sub>T<sub>E</sub>X ◀◀▶▶  
analytic geometry ✖  
announcement ◀◀▶▶  
Apollonius ✖  
application ✖

publications

authors titles

arabic ✖  
Arab<sub>T</sub>E<sub>X</sub> ✖  
Archimedes ✖  
archives ◀◀▶▶  
arm<sub>T</sub>E<sub>X</sub> ✖

## Keywords

a b  
c d  
e f

- linked entries
- two columns
- dedicated right menu

keyword index

**f**

Michael Ferguson ✕  
 Dimitrios Filippou ✕  
 Jonathan Fine ✕  
 Peter Flynn ✕  
 Jeroen Fokke ✕  
 Cees Fortuin ◀▶  
 Erik Frambach ◀▶▶  
 Tetsuo Furukawa ✕

**g**

Ben Geels ✕  
 Leo van Geest ✕  
 Marion van Geest ✕  
 Maarten Gelderman ◀▶▶  
 Joop van Gent ◀▶▶  
 Frans Goddijn ◀▶▶  
 Michel Goossens ◀▶▶  
 Geeti Granger ✕  
 George Greenwade ◀▶  
 Olga Grineva ✕  
 Michael A. Guravage ✕

**h**

Henk de Haan ◀▶▶  
 Geerd Haayer ✕

Hans Hagen ◀▶▶  
 Yannis Haralambous ◀▶▶▶  
 Robbert Hardin ✕  
 Herman Haverkort ◀▶▶  
 Amy Hendrickson ◀▶  
 Eric van Herwijnen ◀▶  
 John Hobby ✕  
 Taco Hoekwater ◀▶▶  
 Alan Hoenig ◀▶▶  
 Anita Hoover ◀▶▶  
 Roger Hunter ✕  
 Paul Huygen ◀▶▶

**i**

Patrick Ion ✕  
 Tetsuo Iwakumay ✕

**j**

Boguslaw Jackowski ◀▶  
 Jan Jacobs ✕  
 J.A. Jager ✕  
 Alan Jeffrey ✕  
 Mimi Jett ✕  
 Rob de Jeu ✕  
 David Jones ✕  
 Johan Jonker ✕

**Authors**

a      b  
 c      d  
 e      f  
 g      h  
 i      j  
 k      l  
 m      n  
 o      p  
 q      r  
 s      t  
 u      v  
 w      x  
 y      z

[publications](#) [keywords](#) [authors](#) [titles](#) [introduction](#) [previous](#) [next](#) [search](#) [exit](#)

author index

## f

Michael Ferguson ✖  
Dimitrios Filippou ✖  
Jonathan Fine ✖  
Peter Flynn ✖  
Jeroen Fokke ✖  
Cees Fortuin ◀▶  
Erik Frambach ◀▶▶  
Tetsuo Furukawa ✖

## g

Ben Geels ✖  
Leo van Geest ✖  
Marion van Geest ✖  
Maarten Gelderman ◀▶▶  
Joop van Gent ◀▶  
Frans Goddijn ◀▶▶  
Michel Goossens ◀▶▶  
Geeti Granger ✖  
George Greenwade ◀▶  
Olga Grineva ✖  
Michael A. Guravage ✖

## h

Henk de Haan ◀▶▶  
Geerd Haayer ✖

publications | keywords | authors | titles

Hans Hagen ◀▶▶  
Yannis Haralambous ◀▶▶  
Robbert Hardin ✖  
Herman Haverkort ◀▶▶  
Amy Hendrickson ◀▶  
Eric van Herwijnen ✖  
John Hobby ✖  
Taco Hoekwater ◀▶▶

## Authors

a    b  
c    d  
e    f

- sorted by name
- linked entries
- two columns
- dedicated right menu

author index

Redactioneel (1998/2)

Redactioneel

Report on T<sub>E</sub>X-Tagung Dante'99 in Dortmund

SGML entities in (La)T<sub>E</sub>X: `sgmlent.sty`

Summary of math font-related activities at EuroT<sub>E</sub>X '98

Typografische scanning

WG: T<sub>E</sub>X & SGML

Alan Hoenig

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

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, ...

Introduction to "T<sub>E</sub>X Unbound: L<sup>A</sup>T<sub>E</sub>X & T<sub>E</sub>X Strategies, Fonts, ...

Virtual Fonts, Virtuous Fonts

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

Anita Hoover

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

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

Roger Hunter

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

Paul Huygen

Maak een logo met behulp van literate programming

Zet tekst op een vaste plaats op een bladzijde

Patrick Ion

Summary of math font-related activities at EuroT<sub>E</sub>X '98

Tetsuo Iwakumay

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

## Titles

a      b  
c      d  
e      f  
g      h  
i      j  
k      l  
m      n  
o      p  
q      r  
s      t  
u      v  
w      x  
y      z

[publications](#) [keywords](#) [authors](#) [titles](#) [introduction](#) [previous](#) [next](#) [search](#) [exit](#)

title index

Redactioneel (1998/2)

Redactioneel

Report on T<sub>E</sub>X-Tagung Dante'99 in Dortmund

SGML entities in (La)T<sub>E</sub>X: `sgmlent.sty`

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Typografische scanning

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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

Virtual Fonts, Virtuous Fonts

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

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Report on Workshop: Getting PostScript i

The Key to Successful Support: Knowing

Roger Hunter

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

Paul Huygen

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Patrick Ion

Summary of math font-related activities a

Tetsuo Iwakumay

A Guide to use Macros and Style Files in L

## Titles

a	b
c	d
e	f

- simple two level register
- click on titles
- dedicated right menu

publications | keywords | authors | titles

title index

## Introduction

Deze bibliografie omvat alle artikelen die in de eerste 24 nummers van NTG's tijdschrift MAPS zijn verschenen, plus de artikelen gepubliceerd in de proceedings van de EuroT<sub>ε</sub>X-conferentie in 1995, die door de NTG is georganiseerd. De bibliografie omvat in totaal ruim 700 artikelen.

This bibliography contains all the articles published in the first 24 issues of NTG's journal MAPS, plus the articles from the proceedings of the EuroT<sub>ε</sub>X conference in 1995, which was organized by the NTG. In total it contains over 700 articles.

We raden aan om Acrobat Reader in te stellen op 'Full Screen' (via 'View' menu) of op 'Fit in Window'. 'Full Screen' kan weer verlaten worden door op Esc te drukken.

We recommend that you set Acrobat Reader's view to 'Full Screen' (through 'View' menu) or to 'Fit in Window'. From 'Full Screen' you can return to window view by pressing Esc.

Door middel van indexen op titels, sleutelwoorden en auteurs kunnen artikelen eenvoudig opgezocht worden. Daarnaast kan gebruik worden gemaakt een standaard zoekfunctie door op de knop 'search' te klikken. Door te klikken op de knoppen 'previous' en 'next' kan achteruit e.q. vooruit gebladerd worden.

Indexes on titles, keywords and authors can be used to search for articles. A standard search feature is also available by clicking on the 'search' button. The buttons 'previous' and 'next' can be used to move backwards and forwards.

publications

keywords

authors

titles

next

exit

colofon





- 24 MAPS volumes
- 747 entries
- 824 pages (screens)
- 19.435 hyperlinks
- 4.8 MegaByte document

**some statistics**

```
<bibentry type="article" id="20-44" language="en">
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    The Calculator Demo -- Integrating &tex;, Meta
  </title>
  <author>
    <au index="hagenh"><fn>Hans</fn><sn>Hagen</sn>
  </author>
  <published volume="20" year="1998" pages="290-29
    <journal>MAPS</journal>
  </published>
  <keywords>
    <key>METAPOST</key> <key>JavaScript</key> <key>
    <key>&context;</key> <key>pdf&tex;</key>
  </keywords>
  <abstract>
```

the data file

```
\setuppapersize
```

```
[S6][S6]
```

```
\setuplayout
```

```
[topspace=10pt,backspace=10pt,
```

```
margin=0pt,
```

```
rightedge=120pt,rightedgedistance=20pt,
```

```
width=440pt,height=fit,
```

```
header=0pt,footer=0pt,
```

```
bottom=20pt,bottomdistance=10pt]
```

**setting up the layout**

```
\setupbodyfont  
  [lbr,10pt]  
  
\usesymbols  
  [nav]  
  
\setupsymbolset  
  [navigation 1]  
  
\setupcolors  
  [state=local]
```

**fonts and colors**

```
\setupbackgrounds  
  [page]  
  [background=screen]
```

```
\setupbackgrounds  
  [text,bottom]  
  [rightedge]  
  [background=color,  
   backgroundcolor=darkblue,  
   backgroundoffset=10pt]
```

**backgrounds**

```
\setupinteraction  
[state=start,  
page=yes,  
menu=on,  
style=\ssbf,  
symbolset=navigation 1,  
color=darkred,  
contrastcolor=darkred]
```

**basic interaction features**

# Keywords

a

abstract ◀▶

academic ✖

Acorn ✖

Acrobat ◀▶

actions ◀▶

active documents ✖

linked keyword



# Keywords

a

abstract ◀▶

academic ✖

Acorn ✖

Acrobat ◀▶

actions ◀▶

active docum

```
\defineregister
```

```
[keyword]
```

```
[keywords]
```

```
\setupregister
```

```
[keyword]
```

```
[maxwidth=.8\hsize,
```

```
expansion=yes]
```

linked keyword

ates that by  
documents.  
e our main  
T<sub>E</sub>X as well

◀ METAPOST ▶

◀ JavaScript ▶

◀ PDF ▶

◀ ConT<sub>E</sub>Xt ▶

◀ pdfT<sub>E</sub>X ▶

keyword menu

◀ METAPOST ▶

◀ JavaScript ▶

ates that by  
documents.  
e our main  
T<sub>E</sub>X as well

```
\setupregister  
  [keyword]  
  [coupling=yes]  
\coupleregister  
  [keyword]
```

keyword menu

```
\setupinteractionmenu  
  [bottom]  
  [state=start,  
  height=\bottomheight,  
  samepage=empty, unknownreference=empty,  
  frame=off, background=color,  
  backgroundcolor=darkblue,  
  color=white, contrastcolor=white,  
  style=\ssbf]
```

**setting up menus**

publications keywords authors ti

```
om]
ublications \\
eywords \\
uthors \\
itles \\
revious \\
ext \\
earch \\
xit \\
```

```
\stopinteractionmenu
```

**bottom menu**


**publications**

```
\startinteractionmenu[bottom]
  \but [publications]      publications  \\
  \but [keywords]         keywords     \\
  \but [authors]          authors      \\
  \but [titles]           titles       \\
  \but [previoussubpage]  previous   \\
  \but [nextsubpage]      next        \\
  \but [SearchDocument]   search      \\
  \but [CloseDocument]    exit        \\
\stopinteractionmenu
```

**bottom menu**

arch | exit

MAPS 20 1998

p 290-296  201 kB

view

status area in menu



arch | exit

```
\defineinteractionmenu  
[publication][right]  
[color=white,  
frame=off,  
style=\ssbf,  
distance=overlay]
```

status area in menu



# MAPS 20 1998

Verslag 20e bijeenkomst, 11 november

Van de Voorzitter (1998/1)

From the TUG President

Redactioneel (1998/1)

Het weten waard

Financieel verslag 1997

Jaarverslag ntg 1997

simple lists

# MAPS 20 1998

Verslag 20e bijeenkomst  
Van de Voorzitter van de  
From the TUO  
Redactioneel  
Het weten van  
Financieel verslag  
Jaarverslag n

```
\definehead  
  [publicationtitle]  
  [section]  
  
\setuplist  
  [publicationtitle]  
  [alternative=f,  
  interaction=all,  
  maxwidth=.8\textwidth,  
  before=,after=]
```

simple lists

arch

exit

next

exit

t]

titles \\

revious \\

ext \\

xit \\

viewer control



arch exit

```
\startinteractionmenu[right]
...
\but [titles]          titles  \\
\vfill
\but [previoussubpage] previous \\
\but [nextsubpage]    next    \\
\but [CloseDocument] exit    \\
...
\stopinteractionmenu
```

viewer control

i	j
k	l
m	n
o	p
q	r

ation][authors]

alphabetic entries

i j

k l

... embedded ...

```
\registermenubuttons[navigation][authors]
```

... in macro ...

alphabetic entries

Redactioneel (1998/2)

Redactioneel

Report on T<sub>E</sub>X-Tagung Dante'99 in D

SGML entities in (La)T<sub>E</sub>X: sgm<sub>l</sub>ent.st

Summary of math font-related activi

Typografische scanning

WG: T<sub>E</sub>X & SGML

Alan Hoenig

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

Detailed Contents for "T<sub>E</sub>X Unbound"

no symbols

Redactioneel (1998/2)

Redactioneel

Report on T

SGML entit

Summary o

Typografis

WG: T<sub>E</sub>X & S

Alan Hoenig

An Introdu

Detailed C

```
\defineregister  
  [titlebyauthor]  
  [titlesbyauthor]  
  
\setupregister  
  [titlebyauthor]  
  [n=1,  
   symbol=none,  
   interaction=text,  
   indicator=no]
```

no symbols



```
\defineSGMLseparateentity
```

```
  [br]
```

```
  {\blank}
```

```
\defineSGMLgroupedentity
```

```
  [em]
```

```
  {\bgroup\em}
```

```
  {\egroup}
```

**some trivial interfacing**

```
\defineXMLenvironment [bibentry]
  [type=,id=,language=]
  {\bgroup}
  {\Bibentry\egroup}
```

```
\defineXMLpush [keywords]

  \defineXMLargument [key]
    [index=]
    {\HandleKey}
```

```
\defineXMLpush [editor]
\defineXMLpush [abstract]
```

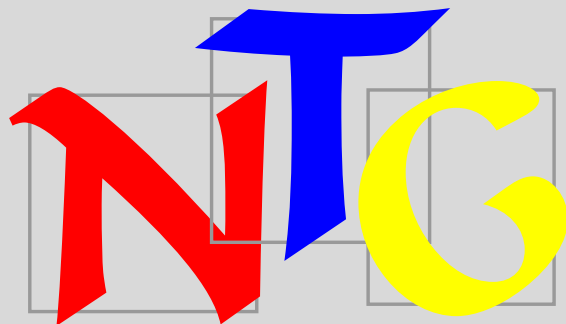
**saving and processing**

```
\def\HandleKey#1%
  {\noindent \hbox to \hsize
    {\strut \hfill \ignorespaces
      \doifXMLparelse{key}{index}
        {\coupledkeyword
          [&\XMLpar{key}{index}{}]
          {#1}}
        {\coupledkeyword{#1}}}%
  \unskip \hfill} \par}
```

**manipulating data**

```
\structuralelement[publications]{Publi..  
\startcolumns[n=3]  
  \placelist[publication][criterion=all]  
\stopcolumns  
\processXMLfilegrouped{mapsbib.xml}
```

**the main text flow**



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Volumes 1-24, March 2001

[publications](#)

[keywords](#)

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[titles](#)

[introduction](#)

[exit](#)