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\horizontallines
\autosizetable
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The Width&of Each Column\cr
is automatically determined&
by the width of the
contents.\cr
\endautosizetable

This is Autosizetable	
The Width	of Each Column
is automatically determined	by the width of the contents.

\horizontallines \verticallines \autowraptable{.5\hsize} $\{.5\hsize\}*$ This is&Autowraptable\cr Contents of each column will automatically wrap within the column.& As you see in these examples\dots\cr \begincode Verbatim text can be included ~ % ~ & \ \endcode &Display Equations: \$\$\lambda=\lambda'+i\lambda \eqno{(3.4)}\$\$\cr \autocenter Autosizetable and Autowraptable will

continue over
many pages
automatically
\endautocenter
&Macro\TeX\ Listing:
\beginlist{\outline}
\list*
Here is a
\list* Tiny List

More things \endlistlevel Back again \endlist\endautowraptable

This is	Autowraptable	
Contents of each column will automatically wrap within the column.	As you see in these examples	
Verbatim text can be included ~ % ~ & \	Display Equations: $\lambda = \lambda' + i\lambda \qquad (3.4)$	
Autosizetable and Autowraptable will	MacroTEX Listing: I. Here is a A. Tiny List	
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TeXnology Inc.



A Gourmet Guide to Typesetting with the AMS-T_FX macro package

M. D. SPIVAK, Ph.D.

The Joy of TEX is the user-friendly user's guide for AMS-TEX, an extension of TEX, Donald Knuth's revolutionary program for typesetting technical material. AMS-TEX was designed to simplify the input of mathematical material in particular, and to format the output according to any of various preset style specifications.

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Exercises sprinkled generously through each chapter encourage the reader to sit down at a terminal and learn through experimentation. Appendixes list summaries of frequently used and more esoteric symbols as well as answers to the exercises.



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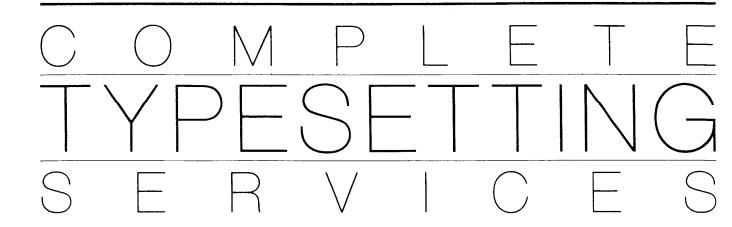
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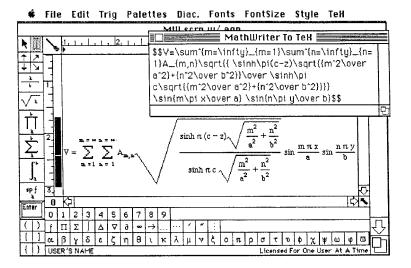
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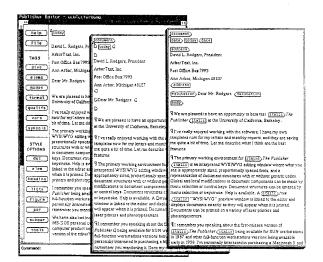
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$$\begin{bmatrix} \begin{pmatrix} N_x & N_{xy} \\ N_{yx} & N_y \end{pmatrix} \begin{pmatrix} \frac{\partial u}{\partial x} & \frac{1}{2} \begin{pmatrix} \frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \end{pmatrix} \\ \frac{1}{2} \begin{pmatrix} \frac{\partial v}{\partial x} + \frac{\partial u}{\partial y} \end{pmatrix} & \frac{\partial v}{\partial y} \end{pmatrix} + \frac{1}{2} \begin{pmatrix} N_x & N_{xy} \\ N_{yx} & N_y \end{pmatrix} \begin{pmatrix} \frac{\partial w}{\partial x} \\ \frac{\partial w}{\partial y} \end{pmatrix} \begin{pmatrix} \frac{\partial w}{\partial x} & \frac{\partial w}{\partial y} \end{pmatrix} \end{bmatrix}$$



 $$$\left[\left(\max_{\{[N_x]\&[N_{yy}]\&[N_y]\right)\left(\mathbf{x}\}\right)\right] x}_{\{[1\circ v^2]\right\}\&\{[1\circ v^2]\right\}\}\&\{[1\circ v^2]\right\}\&\{[1\circ v^2]\right\}\}\&\{[1\circ v^2]\right\}\}. $$$

 $y $$ \cr_{1\over x}_{n_x}&N_{xy}\cr_{yx}&N_{yx}\cr_{yx}. $$ in this $$ (\partial w\circ \pi_{x})\cr_{xy}\cr_{xy}\cr_{xy})\cr_{xy}. $$ in this $$ in this $$ (\partial w\circ \pi_{xy}\cr_{xy})\cr_{xy}\cr_{xy}. $$$



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T_FX

Hidden from most users of *The Publisher*, T_EX provides a level of sophistication and device independence in formatting that very few systems can match. *The Publisher* uses a version of T_EX that is upwardly compatible with all standard implementations of T_EX and produces standard .dvi output files; however, *The Publisher*'s version of T_EX allows for interactive page-by-page processing and faster document production.

Editing

The Publisher features an easy-to-use, full-featured, unpaginated WYSIWYG editor. Within the editor, you can choose how the formatting tags are displayed—whether they are off, on, or represented by icons. In the left window of the graphic

to the left, all tags marking document structures are suppressed. In the middle window, most tags are replaced by icons. The right window displays all tags. When you want to see the exact representation of the document on-screen, just format it and a second window will show you the fonts and character placement as they will appear on the printed page. You can even edit or change style options while your document is formatting.

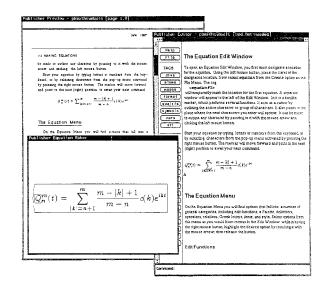
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The main feature of the What-You-See-Is-What-You-Get Equation Maker pictured below is a separate Equation Edit Window that allows you simultaneously to enter symbols and to view your equation. Among other options provided are a

menu from which you can se-

pop-up

lect a wide range of mathematical symbols and functions, and a customizable character palette. Standard keyboard characters can be used in the Equation Maker as well. When you exit from the Equation Maker, the equation appears in the Edit Window.



The Table Maker

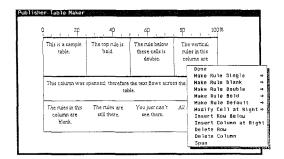
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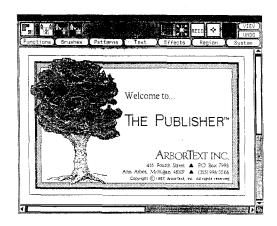
WHAT YOU WANT.

the on-screen ruler as a width gauge. The finished table is automatically placed in-line in the Publisher Edit Window.



Graphics

The Publisher features integrated, full function paint and draw programs. You can rotate, shade, merge, and import/export graphics; draw circles, squares, curves, and arcs; magnify images; design your own patterns and brushes; and label your drawings with PostScript fonts. And the list goes on. Also included is Pubgrab, a program that allows you to "grab" any region of the Sun Workstation screen and include it in your document. The Publisher can then resize the graphic to your specified magnification.



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