

# The Joy of TEX



## A Gourmet Guide to Typesetting with the $\text{AMS-TEX}$ macro package

M. D. SPIVAK, Ph.D.

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

There are two primary features of the  $\text{TEX}$  system: it is a computer system for typesetting technical text, especially text containing a great deal of mathematics; and it is a system for producing beautiful text, comparable to the work of the finest printers.

Most importantly,  $\text{TEX}$ 's capabilities are not available only to  $\text{TEX}$ pers. While mathematicians and experienced technical typists will find that  $\text{TEX}$  allows them to specify mathematical formulas with greater accuracy and still have great control over

the finished product, even novice technical typists will find the manual easy to use in helping them produce beautiful technical  $\text{TEX}$ t.

This book is designed as a user's guide to the  $\text{AMS-TEX}$  macro package and details many features of this extremely useful text processing package. Parts 1 and 2, entitled "Starters" and "Main Courses," teach the reader how to typeset most normally encountered text and mathematics. "Sauces and Pickles," the third section, treats more exotic problems and includes a 60-page dictionary of special  $\text{TEX}$ niques.

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.



ISBN 0-8218-2999-8, LC 85-7506  
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these words                      and symbols: &%\$#~\  
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nofill macro    that

maintains spaces      and blank lines while allowing  
**Font Changes** and other <sub>T</sub>E<sub>X</sub>  
control sequences to continue functioning.

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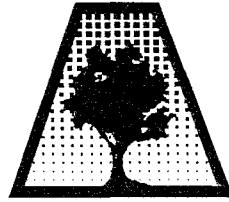
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