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The Joy of TEX



A Gourmet Guide to Typesetting with the AMS-TEX 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.

There are two primary features of the 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, TEX 's capabilities are not available only to TEX perts. While mathematicians and experienced technical typists will find that 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 TEX t.

This book is designed as a user's guide to the 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 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.



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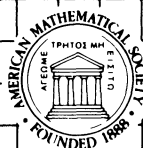
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DANIEL SHANKS, DEDICATION
Special Issue
Mathematics of Computation

This special issue of *Mathematics of Computation* (Volume 48, Number 177, January 1987) is dedicated to Daniel Shanks on the occasion of his 70th birthday. Since 1959, when Shanks joined the Editorial Committee for this journal, he has been a guiding force in shaping the computational number theory component of the journal, and has had an immense influence in the field. This volume contains papers by some of the top researchers in the field and covers such topics as elliptic curves, primality testing, congruences, class groups, and cyclotomic fields. Although a numbered issue of the *Mathematics of Computation* journal, it will serve as a stand alone reference work for computational number theory.

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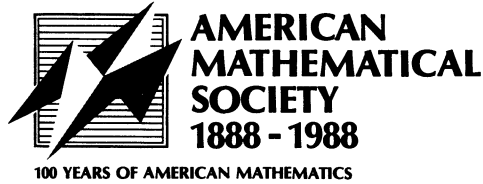
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