

The Beginner's Guide to

MATHEMATICS

Version 3



JERRY GLYNN
and
THEODORE GRAY

The Beginners Guide To Mathematica Version 3

Don Cohen



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The Mathematica GuideBook for Programming Michael Trott, 2004-10-28 This comprehensive detailed reference provides readers with both a working knowledge of Mathematica in general and a detailed knowledge of the key aspects needed to create the fastest, shortest and most elegant implementations possible. It gives users a deeper understanding of Mathematica by instructive implementations, explanations and examples from a range of disciplines at varying levels of complexity. The three volumes: Programming, Graphics and Mathematics total 3 000 pages and contain more than 15 000 Mathematica inputs, over 1 500 graphics, 4 000 references and more than 500 exercises. This first volume begins with the structure of Mathematica expressions, the syntax of Mathematica, its programming

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The Beginner's Guide to Mathematica, Version 2 Theodore W. Gray, Jerry Glynn, 1992 Teaches new Mathematica users some of the important basics of this powerful software tool defining functions creating graphs and Notebooks and applying useful problem solving techniques The authors cover 40 functions and use clear language and concise instructions to help readers master the basics

MathLink ® Hardback with CD-ROM Chikara Miyaji, Paul Abbott, 2001-07-30 This book introduces the basic concepts of MathLink and explains how to extend Mathematica using MathLink Miyaji and Abbott show how to write Mathlink programs and how to apply Mathlink in a variety of situations MathLink comprises a simple and powerful way to write programs that communicate with Mathematica and offers access to a wide range of network resources Writing network programs is the most demanded skill in the Internet Age and MathLink provides a sophisticated level of network programming to the nonprogrammer scientist engineer and student Mathematica's powerful problem oriented programming language includes symbolic and numerical computation and excellent graphics capabilities which enables users to write compact and elegant programs that are much shorter than in conventional languages Within MathLink one can write programs that communicate with Mathematica Since most electronic devices are connected to or controlled by a computer it is straightforward to interface them to Mathematica Once your device is connected to Mathematica you can manipulate the data within Mathematica The authors examine in detail source code for a range of practical examples ranging from elementary to advanced allowing readers to easily adapt the code to suit their own practical needs The text assumes that the reader is already familiar with Mathematica

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