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**MATHEMATICA** **3.0**

# Mathematica 30 Standard Addon Packages

**Michael Trott**



### **Mathematica 30 Standard Addon Packages:**

**The Mathematica GuideBook for Programming** Michael Trott, 2013-12-21 Mathematica is today's most advanced technical computing system. It features a rich programming environment, two and three dimensional graphics capabilities and hundreds of sophisticated powerful programming and mathematical functions using state of the art algorithms. Combined with a user friendly interface and a complete mathematical typesetting system, Mathematica offers an intuitive easy to handle environment of great power and utility. The Mathematica Guidebook for Programming provides a comprehensive step by step development of Mathematica programming capabilities and contains an enormous collection of examples and worked exercises. It guides the reader to become fluent in the structure of Mathematica expressions, expression evaluation, pure and named functions and in procedural rule based and functional programming constructs. Each Mathematica function is discussed in detail, explained in numerous examples. The programs for this book are available to download at the link below: <http://extras.springer.com>. Unique Features: Step by step presentation of Mathematica functions assuming no prior Mathematica programming experience. Clear organization, complete topic coverage and an accessible writing style for both novices and experts. Detailed discussion of procedural rule based and functional programming. Hundreds of worked examples, illustrations, programs and fully worked self study exercises for understanding concepts and learning how to solve real life problems. Website for book with additional materials: <http://www.MathematicaGuideBooks.org>. Michael Trott is a symbolic computation and computer graphics expert. He holds a Ph.D. in theoretical physics and joined the R & D team at Wolfram Research in 1994, the creators of Mathematica. Since 1998 he has been leading development of the Wolfram Functions Site: <http://functions.wolfram.com>, which currently features more than 80,000 formulas and identities and thousands of visualizations.

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

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