# New calculus and physics PowerTools available for Maple

## Three new education packages available for free from www.mapleapps.com

WATERLOO, CANADA, July 17, 2001— Waterloo Maple, a world leader in mathematical software for education, research and industry, announces the availability of three new PowerTools™ offering additional functionality for the company's flagship mathematical software product Maple 7. The three new titles are Calculus I, Calculus II and Physics Education. These full add-on packages are available for free through the Maple Application Center at <a href="https://www.mapleapps.com">www.mapleapps.com</a>.

The three new PowerTools are derived from materials developed at the University of Wisconsin-Milwaukee and Brigham Young University. They offer complete sets of Maple-oriented resources for instructors in the respective areas. With these PowerTools, instructors will be able to bypass the laborious aspects of technology-based curriculum development by directly employing the expertise and experiences of the authors of the PowerTools. These course materials round out the PowerTools calculus offering, which also provides an advanced calculus course (Calculus III) and 100 Calculus Projects, a set of Maple labs that students complete on their own.

"Introductory calculus and physics are possibly the most fundamental areas in post-secondary technical education," states Dr. Jason Schattman, Manager, Applications Marketing, at Waterloo Maple. "We believe that the packages will give instructors that extra bit of assistance that will allow them and their students to receive maximum benefit from Maple software."

With the addition of the three packages, the total number of PowerTools rises to 16. All can be previewed and downloaded for free from the Maple Application Center (<a href="www.mapleapps.com">www.mapleapps.com</a>). The Maple Application Center also offers hundreds of other smaller applications covering a wide spectrum of technical areas, including abstract algebra, fluid dynamics, astrophysics and economics.

#### About Maple PowerTools<sup>TM</sup>

Maple PowerTools are free application packages and academic course materials for Maple software located on the Maple Application Center, an online resource of technical solutions at www.mapleapps.com. PowerTools are developed by experts in the field to help users configure Maple for industry, research and teaching. Each PowerTool is developed using sound programming and analytical frameworks that have passed rigorous peer review and testing. Each is a bona fide application, research tool or course material collection with a complete range of functions to tackle complex problems in real domains.

#### **About Maple® 7**

Maple 7 is the latest version of the world's most trusted mathematical problem solving software. Widely adopted by universities, colleges, research institutions and companies, Maple 7 delivers the comprehensive environment and support resources to visualize and explore mathematical concepts, develop application tools and share mathematical information and documents on the

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Web. Combined with hundreds of free add-on packages and applications available through The Maple Application Center (www.mapleapps.com), Maple 7 constitutes the most powerful and flexible analytical tool for professors, researchers, scientists, engineers and students.

# **About Waterloo Maple**

Founded in 1988, Waterloo Maple is a world leader in mathematical and analytical software. The Maple system embodies advanced technology such as symbolic computation, infinite precision numerics, innovative Web connectivity and a powerful 4GL language for solving a wide range of mathematical problems encountered in modeling and simulation. Over a million users have adopted Maple products as their preferred platform for exploring and managing complex problems in engineering, science, mathematics and technical education. Virtually every major university and research institute in the world, including MIT, Stanford, Oxford and Waterloo, has adopted Maple to enhance their education and research activities. Waterloo Maple's industrial customer base includes Nortel, Raytheon, Boeing, and DaimlerChrysler. For more information see www.maplesoft.com.

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