# **Maplesoft Releases Global Optimization Toolbox**

# Powerful solution offers state-of-the-art algorithms for industrial-class optimization applications

WATERLOO, CANADA, Wednesday, June 30, 2004 – Maplesoft™, the leading provider of high-performance software tools for engineering, science, and mathematics, announced today the release of the new Global Optimization Toolbox. The toolbox extends the power of Maple™ 9.5, the principal desktop productivity environment software from Maplesoft. The Global Optimization Toolbox ensures you obtain the absolutely best answer to modeling problems that have many possible solutions, under complicated constraints. This power is delivered through the easiest to use environment in analytical software.

Optimization models are easily defined using the powerful Maple<sup>TM</sup> numeric and symbolic system, and then quickly solved by the world-class numeric solvers, all within the rich Maple environment. Within this environment, the user has the additional advantages of natural and flexible problem definition, syntax-free visualizations, and technical knowledge management capabilities, making this a superior tool for solving optimization problems. Application areas include advanced engineering modeling, medical research, chemical processes, and finance. "Optimization is one of the toughest computational challenges for engineers and scientists. Maplesoft's solution offers the most sophisticated, yet very easy to use, technology to meet these challenges." states Dr. Laurent Bernardin, Maplesoft's Chief Scientist.

Global Optimization is part of the Maple Professional Toolbox Series<sup>TM</sup> from Maplesoft. The commercial list price is \$1695 US.

To learn more about the Global Optimization Toolbox, please visit <a href="https://www.maplesoft.com/products/toolboxes/globaloptimization">www.maplesoft.com/products/toolboxes/globaloptimization</a> or email <a href="mailto:toolboxes@maplesoft.com">toolboxes@maplesoft.com</a>.

#### **About Maple Professional Toolboxes**

The Maple Professional Toolbox Series greatly extends the scope and functionality of Maplesoft products for specialized application areas. Designed to work seamlessly with the core Maple product suite, these high-performance products deploy best-of-breed technology to deliver maximum benefit from the world's most powerful technical software platform. Toolboxes target key application areas in engineering and science, and technical application development.

#### **About Maple 9.5**

Maple 9.5 is the environment of choice for scientific and engineering problem solving, mathematical exploration, data visualization and technical authoring. It transforms the way technical professionals and students use technology. Seamlessly integrating the power of rocksolid numerics with world-class symbolics, Maple 9.5 offers full computing support for any projects involving mathematics allowing users to capture and manage technical knowledge. In industry, this technology facilitates true collaborative knowledge management. In the classroom, the technology frees the student and teacher to focus on concepts and not the error-prone manipulation. Supporting this powerful technology is a rich user environment, unsurpassed product ease-of-use, and an extensive range of features to shorten the learning curve and to

### **News Release**

maximize productivity.

## **About Maplesoft**

Maplesoft is a world leader in mathematical and analytical software. Its suite of products include Maple 9.5, the standard among interactive mathematical software; MapleNet, a comprehensive mathematical infrastructure for the Web; Maple T.A., a system for automated grading of mathematics tests; and toolboxes for specialized application areas. Maplesoft products embody the most advanced and integrated technology for both numeric and symbolic solution of complex problems. Its standards-compliant algorithms are renowned for their speed, accuracy and reliability. In addition, Maplesoft leads the market with innovations that make the management of technical knowledge – whether in industry or in a classroom – more effective and efficient. Over 5 million users benefit from advanced Maple technology. Maplesoft's industrial customer base includes Boeing, Bosch, Canon, and NASA. Additionally, virtually every major university and research institute in the world, including MIT, Stanford, Oxford and Waterloo, has adopted Maple products to enhance their education and research activities. For more information visit www.maplesoft.com.

For more information, please contact:

Maria Bo Maplesoft P: 519.747.2373 ext. 289 F: 519.747.5284 mbo@maplesoft.com