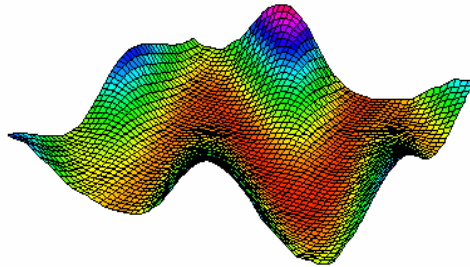


# *MathOptimizer*

## ***A Native Mathematica Solver for Global and Local Nonlinear Optimization***



*Mathematica* is a fully integrated environment for scientific and technical computing. It provides tools to perform simple or advanced calculations, to develop concise and elegant code in any of several programming paradigms, and to prepare sophisticated interactive documents.

*MathOptimizer* enables the global and local solution of the most general continuous optimization problems that can be formulated in *Mathematica*. The *User Guide* (currently over 70 pages, when printed) includes mathematical background notes, modeling tips, detailed tests and non-trivial application examples: this *Guide* can be directly invoked via *Mathematica*'s on-line help system.

*MathOptimizer* can be used with *Mathematica* 3.0 or any of the later versions. It is available for all Microsoft Windows (95 and later) platforms, as well as for all other platforms with corresponding *Mathematica* implementations (such as Linux, Macintosh, Mac OSX, HP, SGI, Solaris, Sun).

In addition to professional licenses, educational and non-profit research discounts are offered to professors, students, and qualifying researchers. Multiple professional licenses, department and site licenses are also available at a discounted price.

János D. Pintér, the developer of *MathOptimizer* is an active researcher in the area of global (nonlinear) optimization, including professional software development. In 2000, he received the INFORMS Computing Society Prize for the book '*Global Optimization in Action*'. He authored and edited several other books and numerous research articles related to this field. Dr. Pintér serves on the editorial board of the *Journal of Global Optimization* since its foundation (as well as of several other professional journals), and he wrote the chapter on 'Global Optimization: Software, Tests, and Applications' for Volume 2 of the *Handbook of Global Optimization*.

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