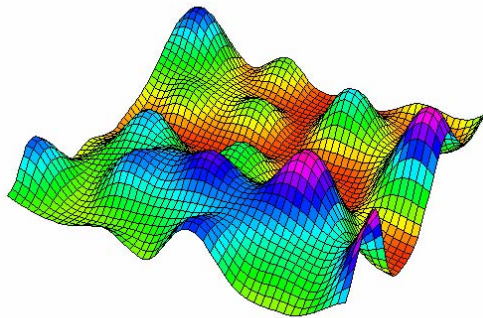


## ***MathOptimizer Professional*** ***for Global and Local Nonlinear Optimization***



### ***Global Optimization***

The objective of global optimization (GO) is to find the best solution of nonlinear decision models that may have a multitude of global and local optima. GO has significant existing and potential applications in many fields of the sciences, engineering, econometrics, and finances. As of today, over a hundred books, many thousands of articles, and dozens of web sites are devoted to the subject: please see a few topical references later on.

### ***LGO and MathOptimizer Professional***

The **LGO** software serves to solve nonlinear optimization models, using a robust and efficient suite of global and local search algorithms. The **LGO** software development is based on award-winning research (2000 INFORMS Computing Society Prize). **LGO** has been in use for over a decade, across a variety of professional compiler-based development platforms.

**MathOptimizer Professional** combines the power of **Mathematica** with the external **LGO** solver engine. This results in significantly enhanced model development and solver capabilities, and an overall performance (solution quality and speed) that is competitive with other compiler-based solver implementations.

Currently supported compiler platforms for **LGO** and **MathOptimizer Professional** include a variety of C/C++ and Fortran compilers, for Windows and Unix/Linux platforms.

Our advanced software products are used worldwide by a rapidly growing clientele from education, academic and applied research, industry, and consulting organizations.

**LGO** and **MathOptimizer Professional** development by

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The LGO solver link to Mathematica is developed and supported by Dr. Frank J. Kampas <fkampas@msn.com>, in cooperation with Pintér Consulting Services, Inc.

We also offer workshops, tutorials, and consulting services related to nonlinear (global and local) optimization, and to the solver products listed above.

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