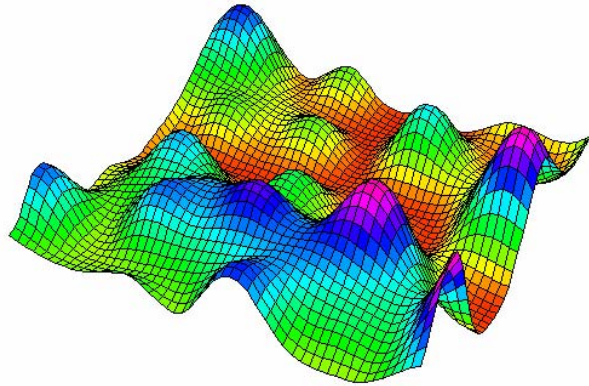


MathOptimizer Professional
for Continuous Global and Convex Optimization



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 2003, over a hundred books, many thousands of articles, and dozens of web sites are devoted to the subject.

LGO, MathOptimizer, and MathOptimizer Professional

The **LGO** software serves to solve nonlinear optimization models, using a robust and efficient suite of global and local search algorithms. LGO has been developed and maintained for over a decade. This software development is based on award-winning research, and LGO has been peer-reviewed in *ORMS Today*.

MathOptimizer is a native **Mathematica** software product, aimed at the solution of the same broad class of nonlinear optimization models addressed by LGO.

MathOptimizer Professional combines the power of **Mathematica** with the external **LGO** solver engine. This results in significantly enhanced solver capabilities, and a performance that is competitive with other compiler-based solver implementations.

Supported compiler platforms for **LGO** and **MathOptimizer Professional** include e.g., Borland C/C++ and Delphi, Digital/Compaq Visual Fortran, Lahey Fortran 90 and 95, Microsoft Visual Basic and C/C++, Salford Fortran, as well as several freely available compilers (such as g77/gcc, and lcc). Various Windows, and Unix/Linux platform implementations are available upon request.

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

MathOptimizer Professional Price List¹

<u>License Type</u>	<u>Solvable Model Size</u>	<u>Net Price</u>
Professional Single User	Unlimited ²	\$ 1,600
Professional Group (max. 5 users)	Unlimited ²	\$ 3,200
Non-Profit Research Single User	max. 1000 variables max. 1000 constraints	\$ 1,000
Non-Profit Research Group (max. 5 users)	max. 1000 variables max. 1000 constraints	\$ 2,000
Educational/Student Single User	max. 100 variables max. 100 constraints	\$ 125
Educational/Student Group (1 instructor and 5 student users)	max. 100 variables max. 100 constraints	\$ 700

¹ All prices are expressed in United States \$ (USD) funds. Prices may be subject to change at the discretion of the product developers.

² Effectively solvable model sizes depend only on the hardware/OS platform used. Special technical support is provided regarding the handling of large (unlimited size) models.

All licenses include a copy of the LGO software, its current documentation, and model examples.

Multiple licenses, larger group licenses, and site licenses are also available.

Shipping costs vary depending on the destination and the way of shipment requested (typical costs are from \$ 10 to \$ 40). Electronic shipments (via downloads) are offered cost-free.

Upgrades are available, with a discount to the extent of the price already paid.

The LGO solver link to Mathematica is developed and supported by Dr. Frank J. Kampas.

The LGO and MathOptimizer software products are developed and supported by Pintér Consulting Services, Inc. 129 Glenforest Drive, Halifax, NS, Canada
Tel/Fax: +1-(902)-443-5910 <jdpinter@hfx.eastlink.ca> URL: www.dal.ca/~jdpinter.

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