



The AMPL[®] Optimization Environment

For large-scale sparse optimization

The TOMVIEW Optimization Environment enables the solution of a new range of problem types in LabVIEW. A solver-independent design introduces full flexibility in solving large-scale nonlinear data fitting, transportation, planning problems and much more.

- A uniform approach to solving optimization problem
- A large number of fully integrated Fortran and C solvers
- Unique features, like costly global black-box optimization

- Easy installation with InstallShield[®] for Windows users
- Demo licenses with no solver limitations
- Multi platform availability, including Windows (32 bit, 64 bit), Linux (32 bit, 64-bit)
- Advanced support by our teams in Sweden and USA

« TOMVIEW is available for all Windows and Linux users. »
« Continuous solver upgrades and customized implementations. »

For more information, please visit <http://tomopt.com/ampl/> or email tomlab@tomopt.com

The AMPL product family:

AMPL

The AMPL base package includes 2 solvers for small-scale global optimization, linear/mixed-integer and quadratic programming.

Most popular features include:

glbDirect - Modified Fortran implementation of the DIRECT method (unconstrained).

glcDirect - General MINLP solver, also a modified DIRECT method.

* Indicates that it requires a nonlinear subsolver



-- Nonlinear Programming --

TOMVIEW /MINOS v2.0

Solvers from Stanford Systems Optimization Laboratory and UC San Diego for large-scale sparse nonlinear programming (MINOS), and dense LP and QP (QPOPT).

TOMVIEW /SNOPT v2.0

Solvers from Stanford Systems Optimization Laboratory and UC San Diego for large-scale sparse nonlinear programming (SNOPT, MINOS) and sparse or dense LP and QP (QPOPT, SQOPT).

TOMVIEW /NPSOL v2.0

Solvers from Stanford Systems Optimization Laboratory and UC San Diego for large-scale dense or sparse nonlinear programming (NPSOL[®], MINOS), dense LP and QP (QPOPT), and linear and nonlinear least squares (LSQR, LSSOL, NLSSOL) problems.

TOMVIEW /SOL v2.0

Solvers from Stanford Systems Optimization Laboratory and UC San Diego. The package includes TOMVIEW /MINOS, TOMVIEW /SNOPT and TOMVIEW /NPSOL.

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