

GAMS

Optimization

www.gams.com

Support

Sales

Solvers

Documentation

Model Library

gamsworld.org

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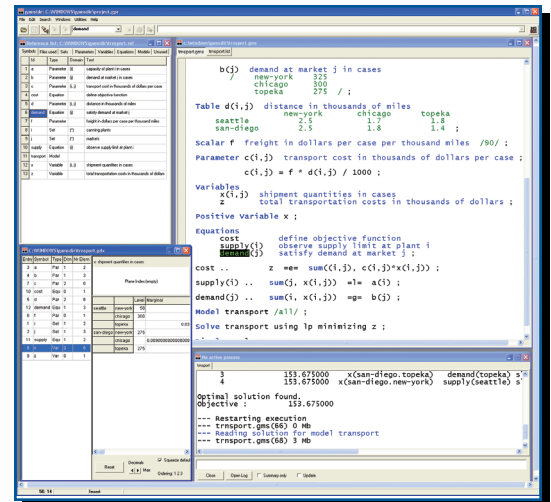
High-Level Modeling

The General Algebraic Modeling System (GAMS) is a **high-level modeling system** for mathematical programming problems. GAMS is tailored for complex, large-scale modeling applications, and allows you to build large maintainable models that can be adapted quickly to new situations. Models are **fully portable** from one computer platform to another.

Wide Range of Model Types

GAMS allows the formulation of models in many different problem classes, including

- Linear (LP) and Mixed Integer Linear (MIP)
- Quadratic Programming (QCP) and Mixed Integer QCP (MIQCP)
- Nonlinear (NLP) and Mixed Integer NLP (MINLP)
- Constrained Nonlinear Systems (CNS)
- Mixed Complementarity (MCP)
- Programs with Equilibrium Constraints (MPEC)
- Conic Programming Problems
- Stochastic Linear Problems



GAMS Integrated Developer Environment for editing, debugging and solving models and viewing data.

State-of-the-Art Solvers

GAMS incorporates all major commercial and academic **state-of-the-art solution technologies** for a broad range of problem types, including global nonlinear optimization solvers.

High Performance Computing: GAMS on Network.com



GAMS and Sun Microsystems have teamed to provide users the ability for solving optimization problems through Sun's Network.com's 'click and run' compute utility.

- Utilizes GAMS grid facility for parallel asynchronous solves
- Faster times to results
- No reservation, no long term contract
- Pay-as-you-go compute utility

Enjoy immediate access to this High Performance Computing utility, available on a pay-per-use basis, with no IT investment or management. And with 250 free promotional CPU hours, start immediately. For more information visit <http://www.gams.com/sungrid>.

