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

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.