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.

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.

PAVER 2: The next generation of the GAMS Performance Tools

PAVER 2 automates the analysis and comparison of solver performance data. The use of the Python Data Analysis Library (http://pandas.pydata.org/) ensures platform independence, simple use, high performance, and flexibility.

PAVER 2 highlights:
- Easy customization of performance metrics
- Computation and visualization of performance statistics
- Automated handling of inconsistent solver outcomes
- Integration with GAMS/EXAMINER solution point analyzer

PAVER 2 is open-source and available at: http://www.gamsworld.org/performance/paver2/