GAMS

➤ OPTIMIZATION ➤

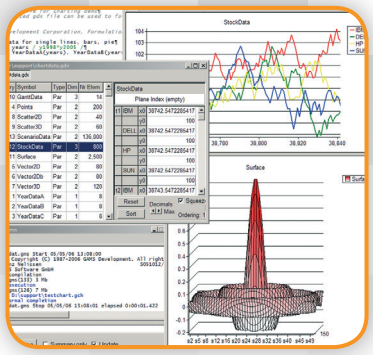
GENERAL ALGEBRAIC MODELING SYSTEM

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.

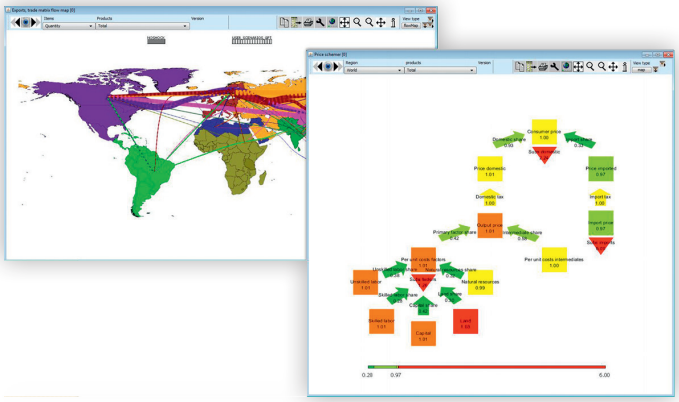
State-of-the-Art Solvers

GAMS incorporates all major commercial and academic state-of-the-art solution technologies for a broad range of problem types.

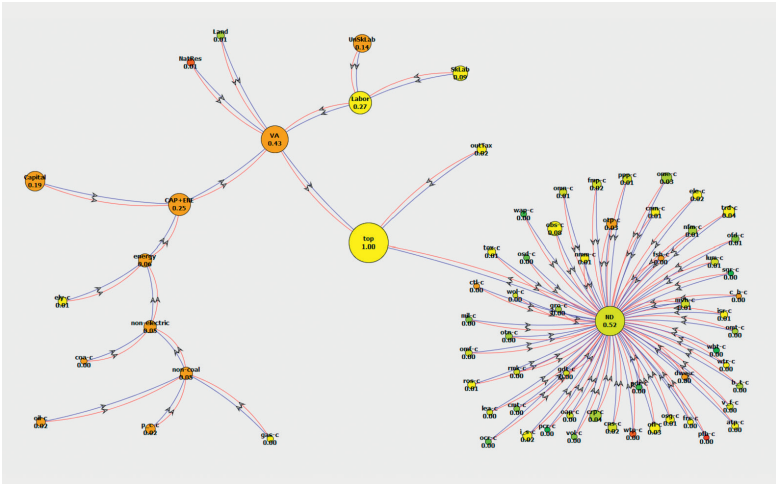


GAMS Integrated Developer Environment for editing, debugging, solving models, and viewing data.

GGIG - A GAMS Graphical Interface Generator



Complex economic models offer a wide range of options for simulation runs and return a vast amount of data, which can be explored and exploited in various ways. The GAMS Graphical Interface Generator (GGIG) enables interaction with such economic models through a Java-based user interface. Originally developed for the Common Agricultural Policy Regionalised Impact (CAPRI) modeling system, GGIG generates a basic graphical user interface (GUI) for GAMS projects based on XML files. These files define the controls for simulation runs and subsequent processing of results. GGIG is currently used in a number of economic and agricultural modeling projects around the world, including the Policy Evaluation Model of the OECD and the Global Trade Analysis Project (GTAP).



GGIG's strengths:

- Handling of complex economic applications through an efficient and portable user interface
- Visualization of results in various ways
- Support of distributed teams through SVN

For further information please visit www.gams.com/ads/ggig.htm