GAMS 21.7 release

GAMS Corporation has released versions 21.6 and 21.7 which expanded some language capabilities. Release notes will be on the GAMS web site at http://www.gams.com/docs/release/release.htm#21.7. Some of the new features within these releases are discussed below. The software can be downloaded from http://www.gams.com/download/.

64 Bit GAMS

A 64 bit version was introduced for Linux. Some solvers exist only in 32 bit mode and are included as 32 bit on the 64 bit version as covered in the solver platform matrix on the GAMS web site.

Solvers and Links

Solver capability upgrades were introduced for BARON, COIN, CONOPT, KNITRO, MOSEK, NLPEC, XA and XPRESS. Included in this is free solver called CoinSbb that is a moderately capable mixed integer solver as discussed at http://www.gams.com/solvers/coin.pdf and http://www.gams.com/gamscoin/.

Also a solver called BENCH is present that helps facilitate benchmarking of GAMS optimization solvers by calling all of the users licensed solvers that can work on a particular model and capturing the results in a LST file. See http://www.gams.com/solvers/bench.pdf.

Finally links are introduced to AMPL http://www.gams.com/solvers/gamsampl.pdf and LINGO http://www.gams.com/solvers/gamsampl.pdf .

$OnPut and OnEcho enhancement

Features have been added permit or suppress parameter substitution when using the $OnPut and $OnEcho syntax.

NEW WORKFILE FORMAT:

Work files have been changed into a platform independent, more compact file. Thus workfiles on Windows can be transferred to Linux and vice verso. They now only consist of a single file and are only approx 50% of the previous file size. The reading and writing of such files is faster.

McCarl User Guide

We have made the guide work better with the security features of windows XP service pack 2 that made it very hard to use. This caused us to need to only run in Adobe and not use the browser.

Other features

The release notes also indicate 21.6 and 7 also contain
> New entries in the model and test model libraries.

Excel Interface for Plotting

 Tom Rutherford has released an interface to Create Excel Charts from within *GAMS* that is available at http://debreu.colorado.edu/xlchart/index.html .

Courses offered

I teach Basic GAMS in Colorado Springs Oct 17-19, 2005. An Advanced GAMS class will be offered some time after that.. Further information and other courses are listed on http://www.gams.com/courses.htm.

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June 3, 2005