Convert Real Columns to Single Precision

Author: Gabe Rudy, Golden Helix, Inc.

Overview

This script recodes the double-precision data in the "Real" columns in your spreadsheet into single-precision data.

The script executes immediately after selecting it. A new spreadsheet will be generated which will be the same as the original spreadsheet except for the "Real" columns being encoded in single precision. (Note: If the number is larger in magnitude than can be represented in single precision, that will be designated with an "inf" or "-inf".)

If the spreadsheet is marker-mapped, the marker map will be reapplied to the new spreadsheet.

Recommended Directory Location

Save the script to the following directory:
*..**\Application Data\Golden Helix SVS\UserScripts\Spreadsheet\Edit**

Note: The **Application Data** folder is a hidden folder on Windows operating systems and its location varies between XP and Vista. The easiest way to locate this directory on your computer is to open SVS and select **Tools >Open Folder > UserScripts Folder**. If saved to the proper folder, this script will be accessible from the spreadsheet **Edit** menu.

Using the Script

1. Open a spreadsheet containing Real columns needing to be converted to single precision.
2. Select **Edit > Convert Real Columns to Single Precision**. The script will execute, and the new spreadsheet will appear.