



Current Affairs

A Window on Software Engineering



Interpolation Programs Changed to Work with the Unsorted Composite File

Interpolation programs and procedures have been enhanced to use the unsorted, composite file 9. You can still use the sorted composite file 8, but now you must choose that option. By default, the unsorted composite file 9 will be used for block estimation calculations.

This change means that you no longer have to remember to sort your data from file 9 to file 8. The interpolation programs work row-by-row when estimating model block values. Previously the data used to estimate a model block had to be sorted by Northing. That is why you had to sort File 9 to File 8 prior to running any of the interpolation programs.

Now the interpolation programs sort the data *during execution*. As the program executes (e.g., M624V1), data is sorted by Northing and a temporary 'sorted' composite file is created ('tmp08.000'). This temporary file is deleted when the program finishes execution.

This time-saving change eliminates two steps previously necessary in the modeling process. You no longer have to create a file 8, (which is nearly an exact duplicate of file 9), and there is no longer a need to sort the composite file.

The procedures have been enhanced to go along with this change. Just like the model file input fields, if you leave the composite file inputs fields blank, they will default to use the pre-selected files. A drop-down list was used instead of a toggle (File 8 versus 9) to allow this field to be used as a variable in MultiRun.

Figure 1

ALL the interpolation programs and procedures were changed to this useful enhancement and are available for you to download from our ftp site.