

Automatic FFT Setup in GM-SYS 3D Modelling

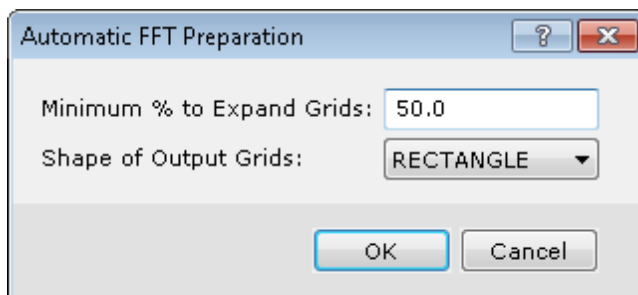
GM-SYS 3D calculations require that all grids be expanded to "Good" FFT dimensions and filled so that they are periodic. Expansion and fill occurs automatically each time a calculation is performed. The automatic expansion factor can be set. It is recommended that it be at least 50% to avoid edge effects. The Automatic FFT Setup allows control of the amount and shape of expansion that will be used if the program performs these operations.

Configuring the Automatic FFT Setup

In default (Automatic) mode, GM-SYS 3D expands all grids inside the calculation routine each time it runs and then "masks" back to the original size at the end of the calculation. Internal expansion/filling works best for grids that have zero trend, using the default values.

To Configure the Automatic FFT Setup

1. On the *Settings* menu, select **Automatic FFT Preparation**. The *Automatic FFT Preparation* dialog appears.



2. Enter the *Minimum Percentage to Expand Grids*. Grids will be expanded by at least this percentage of their original size in preparation for FFT. The default is 50%.
3. From the drop-down list, select the **Shape of Output Grids** (square or rectangle). The default is Rectangle.
4. Click **OK**. The requested changes are made.

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