

Contours → Grid

The Contours → Grid program will convert the polyline data within a RwDat or a Rw2D file into a grid model constructing a triangle network between the vertices of the polylines and estimating the elevations of the grid nodes that reside within these triangles.

As an example, consider a contour map (Figure 1) generated by RockWorks.

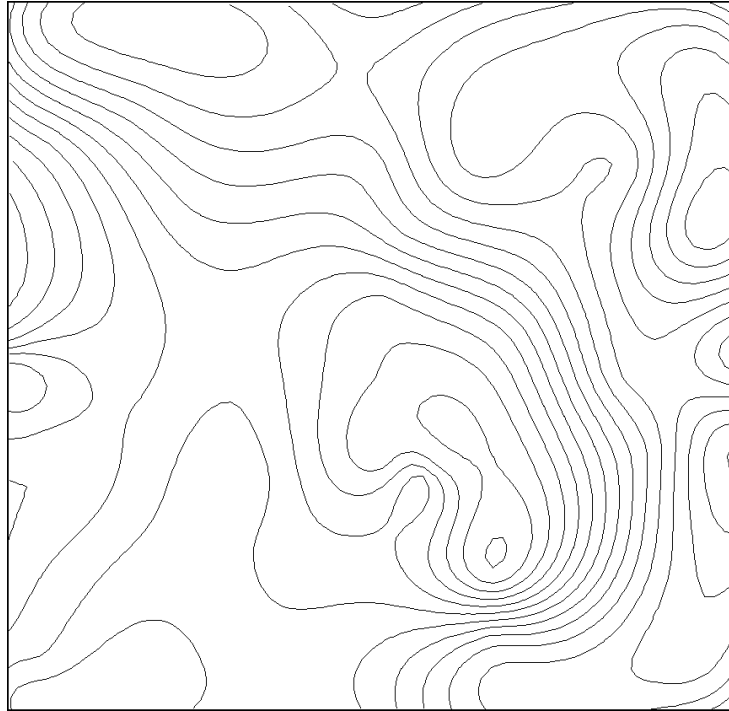


Figure 1

Clicking on a contour within the RockPlot2D program will show the polyline vertices as red symbols (Figure 2). Each of these symbols represents a vertex along the contour polyline that has an associated X, Y, and Z coordinate.

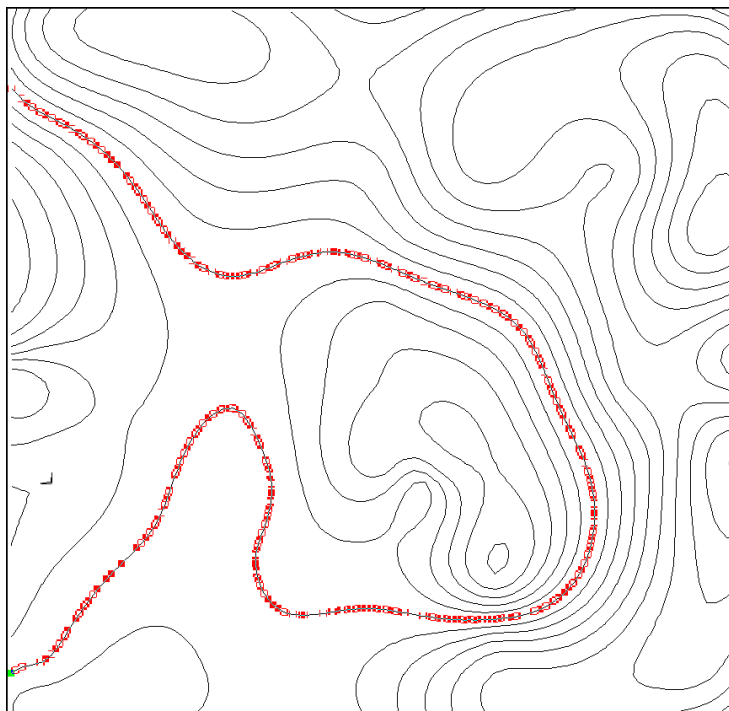


Figure 2

The Contours → Grid program will extract these XYZ coordinates from all of the polylines within the specified file and interpolate a grid based on these points. In the example shown below (Figure 3), the contours (input) have been superimposed on a color-coded grid that was interpolated based on the contour polyline vertices using the Contours → Grid program. Note that it's not perfect but hopefully it's good enough to fit your purpose. If not, it may be necessary to manually add additional intermediate contours or to use the RockWorks Grid Editor.

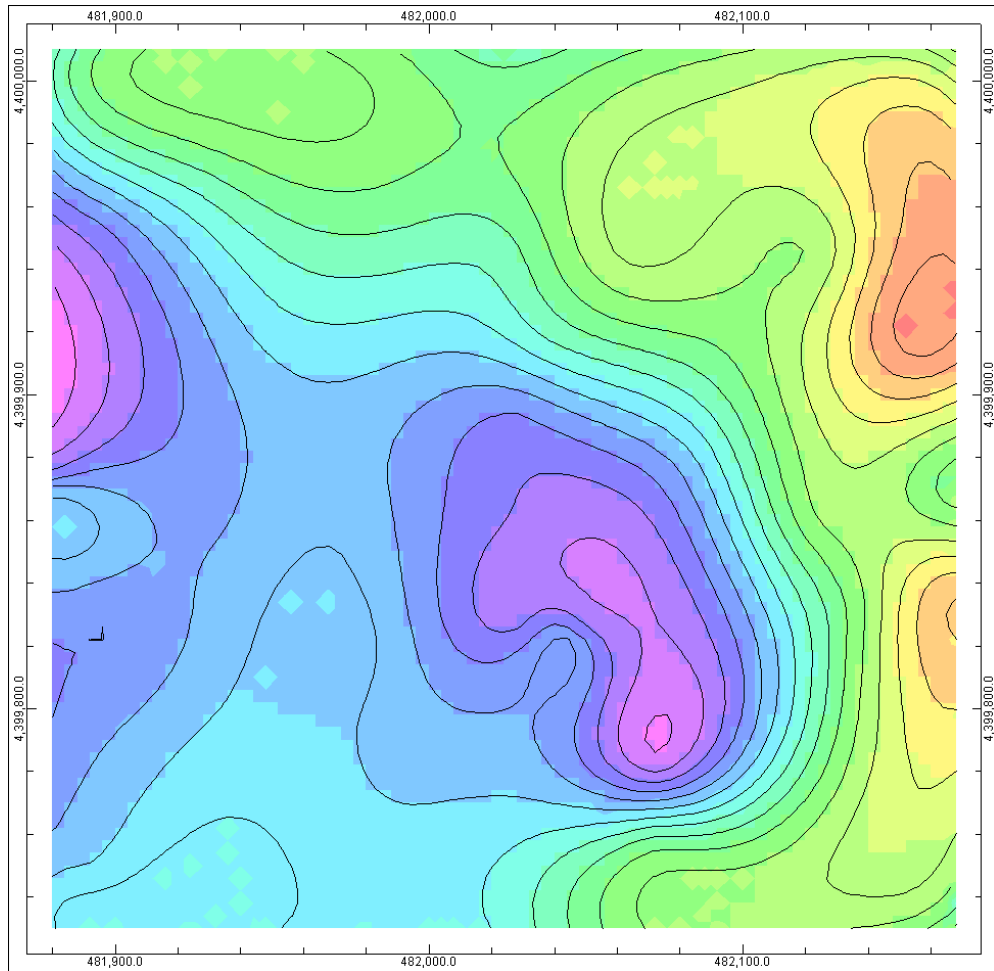


Figure 3