
Subject: Minimum curvature surface problem

Posted by [Med Bennett](#) on Mon, 21 Oct 2002 23:30:58 GMT

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I'm having a problem using the `min_curve_surf` function. I am feeding it data where X and Y are in UTM coordinates (like 650000, 4073500) and Z ranges from 0.25 to 27,300. The result from `min_curve_surf` in IDL is a paraboloid looking surface with a minimum of $2.4E+10$ and a max of $1.2E+15$. Needless to say, this is dramatically wrong. I also tried subtracting off the minimums from the X and Y values to reduce the number of sig figs, but this does not seem to help. I can compute a minimum curvature surface with the same data in another software package (Surfer, Golden Software) and it gives me a reasonable result. What's wrong with the IDL implementation, or what am I doing wrong?
