Subject: Re: Iso-contours at maximum/minimum levels
Posted by Gianluca Li Causi on Mon, 02 Feb 2009 12:14:25 GMT
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Dear all,
I thanks you for the interesting discussione and I agree with David that the word "contour" means a line that "encloses something", but still you've not given indications for a working "imprint" function, which is what I need.

The best that I've found, when the function derivatives are continuous, is to make the contour at level=0 of the partial derivatives dz/dx and dz/dy, which effectively produce a nice "imprint" line BUT also contains some extra lines, corresponding to where one derivative is null but the other is not.

So one could take both the zero contours of the two derivatives and say that the "imprint" line is the common curve among these two contours (don't really know how to do this in practice).

In any case this does not work with not continuous derivatives, like my first example.

How could I search if such an "imprint" function is available anywhere in the IDL library of somebody? Is there an IDL libraries database somewhere in the internet?

Cheers
Gianluca