Subject: Re: Iso-contours at maximum/minimum levels Posted by pgrigis on Fri, 30 Jan 2009 15:36:31 GMT

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Hi,

two points:

i) the 12 dots is perfectly fine. It is z that is svcrewed ;-)

I think that if you take a proper example, you'll see a proper result.

a=dist(512,512) a[300:400,300:400]=0 contour,a contour,a,levels=0.001

ii) David is right, but I still think there's an easy way to show the shape of the minimal surface:

ind=where(a EQ min(a)) b=a*0b[ind]=1contour,b,levels=0.5

or somehting like that

Ciao. Paolo

David Fanning wrote:

- > Jeremy Bailin writes:
- >> Paolo's suggestion makes perfect sense... but then I tried it and I'm
- >> befuddled. The minimum contour consists of just a few dots!
- > Exactly, because of round-off errors, etc., there is nothing
- > there, really, to "contour". I think the person who asked
- > the guestion wants an imprint of the minimum value of the
- > surface (within some epsilon, obviously). And I continue
- to insist this is *not* the same as a "contour".
- >> There's something funny about how it's drawing the contour that gets
- very confused by the abrupt change right at the minimum.
- > I don't think it is confused. I think it is doing exactly
- > what the programmer designed it to do. I think it is our

- > thinking about the problem that is confused. :-) >
- > Cheers,
- >
- > David
- > --
- > David Fanning, Ph.D.
- > Fanning Software Consulting, Inc.
- > Coyote's Guide to IDL Programming: http://www.dfanning.com/
- > Sepore ma de ni thui. ("Perhaps thou speakest truth.")