
Subject: crazy contour

Posted by news.qwest.net on Wed, 02 May 2007 17:08:59 GMT

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I have come across a strange problem with a contour plot.
I have an array that is 2048 by 1025, with a minimum of 0
and a max of 10.
The values all vary smoothly.

If I contour with `levels = findgen(10)+1, /fill`
the right edge of the plot has a problem (the contours do not
go to the edge, even though they should.) It implies the data goes
to zero in that last column (it does not).
This creates a ps file about about 1 mb.

If I do a contour with `levels = findgen(10)+1, /cell`
then it plots properly, but is really slow, and creates a 20mb
ps file.

This is a very simple plot. There is only one
maximum per column, monotonically decreasing off that
maximum, and no NaNs or other weird points.

Anyone have any ideas on what is going on? It almost seems
like a bug in the contouring algorithm at the right hand edge of the plot,
but I really don't have time to look into it any more.
(I rotated a `shade_surf` command with `shade=` keyword and
blanked out the zaxis labels to create a very nice facsimile of
the contour plot I wanted.)

Cheers,
bob

PS David, what do you think the problem is?
-just kidding :)
