
Subject: Re: IDL 8.0 Contour function artifact
Posted by [MC](#) on Fri, 24 Sep 2010 17:47:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sep 25, 4:44 am, Paul <paulsta...@gmail.com> wrote:

> I've noticed an irritating - I'm going to say it's an artifact - in
> the new contour function. Take
>
> myData = [[32.7759, 30.8012, 27.8589, 24.6717, 22.2133, 20.4595,
> 19.0960, 18.1344, 17.4240, 16.8068, 16.2542], \$
> [19.7536, 18.1935, 16.3065, 14.5951, 13.7175, 13.4065, 13.3468,
> 13.6542, 14.1716, 14.7347, 15.3102]]
> CONTOUR, myData
> !null = CONTOUR(myData)
>
> You get it, too? Ideas? (If you're not seeing it, the contour function
> on my machines here creates a bit of a jagged mess, while the contour
> procedure plots nice, smooth lines.)

Correctly contouring such a 'narrow' data set is problematic, if you
pad the edges by replication, does the output improve? I'm not sure
but I suspect the problem may be related to the inability to define
contour curvature when the data is just 2 elements wide?

Hope this helps.
