Subject: Re: Interesting IDLgrContour Bug
Posted by Harold Cline on Wed, 20 Sep 2000 05:00:17 GMT

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Hi David,

Did you report this to tech support yet?

Cheers,
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David Fanning wrote:
>
> Hi Folks,
>
> I ran into an interesting little IDLgrContour bug today
> that gave me a few hours of fun. Apparently, the
> contour algorithm cannot see positive data that is less
> than 1. As a result, it reports the contour range incorrectly.
> Here is a very short example:
>
>   ; Create test data.
>   data = Dist(40)
>
>   ; Normalize the Y values from 20 to 39 to be less than 0.
>   data[*,20:39] = data[*,20:39]/Max(data)
>
>   ; Create contour plot.
>   x = findgen(40)
>   y = findgen(40)
>   theContour = Obj_New('IDLgrContour', data, Geomx=x, Geomy=y)
>
>   ; Get the Y range of the data.
>   theContour->GetProperty, YRange=theBadRange
>
>   ; Print it. Expect 0 to 39.
>
>   Print, theBadRange
>   0.000000   19.8495
>
> Whoops! Of course, this will cause the scaling to be
> completely off when you go to put the plot into your
> view.
>
> The work around is to get the contour range from

> the X and Y vectors. I don't think too many people
> will run into this, but it can be distracting. :-)
>
> I've tested this in IDL 5.3.1 and IDL 5.4 beta on
> Windows NT 4.0.
>
> Cheers,
>
> David
> --
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