
Subject: Re: Interesting IDLgrContour Bug
Posted by [Harold Cline](#) on Wed, 20 Sep 2000 05:00:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi David,

Did you report this to tech support yet?

Cheers,
Harold Cline
RSI
home:hjcline@home.com
work:harold@rsinc.com

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
> --
> David Fanning, Ph.D.
> Fanning Software Consulting
> Phone: 970-221-0438 E-Mail: davidf@dfanning.com
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
> Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Interesting IDLgrContour Bug
Posted by [promashkin](#) on Wed, 20 Sep 2000 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

David Fanning wrote:

> Yes, and I got a nice note back saying they were
> very busy and that perhaps if I worked on the problem
> longer I could solve it myself.

I would be *very* careful with a reply like that. Because one possible
workaround a person could find on his own is to start using some other
software. But again, they gave this advice to David, who, as they very
well know, is addicted to IDL worse than RSI themselves :-)

Cheers,
Pavel

Subject: Re: Interesting IDLgrContour Bug
Posted by [davidf](#) on Wed, 20 Sep 2000 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Harold Cline (hjcline@home.com) writes:

> Did you report this to tech support yet?

Yes, and I got a nice note back saying they were
very busy and that perhaps if I worked on the problem
longer I could solve it myself. Indeed, that is just
what happened. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Interesting IDLgrContour Bug

Posted by [Harold Cline](#) on Fri, 22 Sep 2000 03:17:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

I will be investigating this.

Harold Cline

RSI

Pavel Romashkin wrote:

>

> David Fanning wrote:

>

>> Yes, and I got a nice note back saying they were

>> very busy and that perhaps if I worked on the problem

>> longer I could solve it myself.

>

> I would be *very* careful with a reply like that. Because one possible
> workaround a person could find on his own is to start using some other
> software. But again, they gave this advice to David, who, as they very
> well know, is addicted to IDL worse than RSI themselves :-)

> Cheers,

> Pavel

Subject: Re: Interesting IDLgrContour Bug

Posted by [promashkin](#) on Fri, 22 Sep 2000 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Harold Cline wrote:

>

> I will be investigating this.

Investigating the reply or the bug, Harold? :-)

No offense meant. I'm afraid I'm addicted to IDL, too :-)

Cheers,
Pavel
