
Subject: Re: contours and Z device

Posted by [davidf](#) on Fri, 03 Jul 1998 07:00:00 GMT

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

rbianconi@my-dejanews.com (rbianconi@my-dejanews.com) writes:

> Hello, this little program attached works (under NT and Linux) with IDL
> 4.0.1, but not with IDL 5.0.2. It seems that when you are using the Z device
> and you ask the routine to plot a contour above the maximum value of your
> data, then an error occurs in version 5.0.2. Instead, it works fine with
> vesion 4.0.1. Any comment ?

I get no error from this program in IDL 5.1 on Windows NT 4.0.

David

--

David Fanning, Ph.D.

Fanning Software Consulting

E-Mail: davidf@dfanning.com

Phone: 970-221-0438

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

Subject: Re: contours and Z device

Posted by [dlhopols](#) on Mon, 06 Jul 1998 07:00:00 GMT

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

Hi,

Roberto wrote:

> Hello, this little program attached works (under NT and Linux) with IDL
> 4.0.1, but not with IDL 5.0.2. It seems that when you are using the Z device
> and you ask the routine to plot a contour above the maximum value of your
> data, then an error occurs in version 5.0.2. Instead, it works fine with
> vesion 4.0.1. Any comment ?

There seems to be some trouble. I tried this program on SGI, IDL version 5.0
and after changing 'win' to 'X', I get an error on the contour call (here line
19) after set_plot 'z'.

```
---program--(spaces removed) -----  
pro procont  
nx=10  
ny=10  
zzm=dblarr(nx,ny)  
xx=indgen(nx) & yy=indgen(ny)
```

```

zzm(*,*)=0.d0
zzm(5,5)= 1.d0
set_plot,'X'
contour,zzm,xx,yy,/fill,levels=2
set_plot,'z'
help,zzm,xx,yy
contour,zzm,xx,yy,/fill,levels=2
device, /close
end
---Result -----
%Compiled module: PROCONT.
IDL> procont
ZZM      DOUBLE  = Array[10, 10]
XX       INT     = Array[10]
YY       INT     = Array[10]
% Array dimensions must be greater than 0.
% Execution halted at: PROCONT      19 rbianc.pro
%                               $MAIN$

```

Maybe this will help track down the problem?
Rose

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/rg_mkgrp.xp Create Your Own Free Member Forum

Subject: Re: contours and Z device
 Posted by [rbianconi](#) on Tue, 07 Jul 1998 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Sorry, the prev msg of mine was not complete. Here another problem I got porting some code from 4.0 to 5.0. The 0 deg longitude label is not printed in vers 5, while in 4 is. It seems that you can't plot labels outside the map limits.

Ciao,
Roberto

pro geopro

set_plot, 'X'

```
limits=[40,0,65,40]
!p.charsize=1
map_set,/cylindric,/noborder,title='',charsize=9.$
    ,limit=limits,xmargin=0.3,ymargin=0.3
```

```
map_continents
map_continents,/countries
map_continents,/coasts
```

```
map_grid,glinethick=2, $
    lonlab=40,latlab=36, $
    latalign = 1.0, $
    lonalign = 1.0, $
    color=255, /label, charsize=1
```

end

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/rg_mkgrp.xp Create Your Own Free Member Forum

Subject: Re: contours and Z device
Posted by [rbianconi](#) on Tue, 07 Jul 1998 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <6nq53q\$jjf\$1@nnrp1.dejanews.com>,
dlhopols@knmi.nl wrote:

```
>
> Hi,
>
> Roberto wrote:
>
>> Hello, this little program attached works (under NT and Linux) with IDL
>> 4.0.1, but not with IDL 5.0.2. It seems that when you are using the Z device
>> and you ask the routine to plot a contour above the maximum value of your
>> data, then an error occurs in version 5.0.2. Instead, it works fine with
>> vesion 4.0.1. Any comment ?
>
> There seems to be some trouble. I tried this program on SGI, IDL version 5.0
> and after changing 'win' to 'X', I get an error on the contour call (here line
> 19) after set_plot 'z'.
>
> ---program--(spaces removed) -----
> pro procont
> nx=10
> ny=10
> zzm=dblarr(nx,ny)
```

```

> xx=indgen(nx) & yy=indgen(ny)
> zzm(*,*)=0.d0
> zzm(5,5)= 1.d0
> set_plot,'X'
> contour,zzm,xx,yy,/fill,levels=2
> set_plot,'z'
> help,zzm,xx,yy
> contour,zzm,xx,yy,/fill,levels=2
> device, /close
> end
> ---Result -----
> %Compiled module: PROCONT.
> IDL> procont
> ZZM      DOUBLE  = Array[10, 10]
> XX       INT     = Array[10]
> YY       INT     = Array[10]
> % Array dimensions must be greater than 0.
> % Execution halted at: PROCONT      19 rbianc.pro
> %          $MAIN$
>
> Maybe this will help track down the problem?
> Rose
>

```

Thanks Rose,
 I get the same message both under Linux and WIN NT.
 Here another problem I got porting some code from 4.0 to 5.0.
 Ciao,
 Roberto

```

pro geopro

```

```

set_plot, 'X'

```

```

limits=[40,0,65,40]
!p.charsize=1
map_set,/cylindric,/noborder,title="",charsize=9.$
    ,limit=limits,xmargin=0.3,ymargin=0.3

```

```

map_continents
map_continents,/countries
map_continents,/coasts

```

```

map_grid,glinethick=2, $

```

```
lonlab=40,latlab=36, $
latalign = 1.0, $
lonalign = 1.0, $
color=255, /label, charsize=1
```

end

-----== Posted via Deja News, The Leader in Internet Discussion ==-----
http://www.dejanews.com/rg_mkgrp.xp Create Your Own Free Member Forum

Subject: Re: contours and Z device
Posted by [Vap User](#) on Wed, 08 Jul 1998 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

rbianconi@my-dejanews.com writes:

I haven't tried the program, but isn't contour,/fill broken in IDL 5.0.[0,1,2] ?

```
>
> Hello, this little program attached works (under NT and Linux) with IDL
> 4.0.1, but not with IDL 5.0.2. It seems that when you are using the Z device
> and you ask the routine to plot a contour above the maximum value of your
> data, then an error occurs in version 5.0.2. Instead, it works fine with
> version 4.0.1. Any comment ?
>
> Obviously I don't expect to see any contour from that! *smile*
>
> Ciao,
> Roberto
> _____
> pro procont
>
> nx=10
> ny=10
>
> zzm=dblarr(nx,ny)
> xx=indgen(nx) & yy=indgen(ny)
>
> zzm(*,*)=0.d0
> zzm(5,5)= 1.d0
>
> set_plot,'win'
> contour,zzm,xx,yy,/fill,levels=2
>
> set_plot,'z'
> contour,zzm,xx,yy,/fill,levels=2
> device, /close
```

> end

>

>

>

> -----== Posted via Deja News, The Leader in Internet Discussion ==-----

> http://www.dejanews.com/rg_mkgrp.xp Create Your Own Free Member Forum

--

I don't speak for JPL, it doesn't speak for me.

Well, not all the time, at least.

William Daffer <vapuser@haifung.jpl.nasa.gov>
