
Subject: Re: Matlab to IDL

Posted by [andrew.cool](#) on Sun, 12 Oct 2003 23:12:19 GMT

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dino.nicola@libero.it (dino nicola) wrote in message
news:<688447c0.0310121046.298717c5@posting.google.com>...
> I forgot to say that when I run the code I get this message if I use
> the TVSCL command:
>
> % Program caused arithmetic error: Floating underflow
> % Program caused arithmetic error: Floating overflow
> % Program caused arithmetic error: Floating illegal operand
>
> while I get this one using TV:
>
> % Program caused arithmetic error: Floating underflow
> % Program caused arithmetic error: Floating illegal operand
>
> Don't know if this makes sense but I'm just a beginner in IDL. Thank
> you.

Hi Dino,

How about trying this snippet of code that generates some dummy data.
On my Windows 2000 machine running IDL 6.0 it produces a window of
skewed rainbow coloured contours.

pro pcon

```
condensor = DIST(1025,512)
openw,lun,'c:\test.sdt',/get
writeu,lun,condensor
free_lun,lun
```

```
file='c:\test.sdt'
rad=fltarr(1024,512)
openr,lun,file,/get_lun
;point_lun,lun,0
readu,lun,rad
close,lun
window,xs=1024,ys=512
device,decomposed=0
loadct,38
tvscl,rad
end
```

Also, note that you need to either :-

- a. specifically size the window to your data,
e.g. `window,xsize=1024,ysize=512` to see all your consensor image, or
- b. reduce the condensor array to the default window size using the
Congrid command.

If you don't get the same effect, there's something deeply wrong!
Perhaps your file doesn't contain what you think it contains!

Good Luck,

Andrew

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