Subject: Re: transparent background for line plot in IDL 8.0
Posted by David Grier on Wed, 15 Sep 2010 20:48:55 GMT
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On 9/15/10 9:23 AM, teddyallen wrote:
> I have a question that seems to be simple, but the answer continues to
> elude me....
> I have a straight-forward 2D plot (rainfall time series) that I want
> to import to powerpoint, BUT I would like to import it with a
> transparent background. Basically, I just want the plot with no
> background color. I have read the previous posts, but am lead to
> believe that 8.0 should be more simple.
>
> Below is my plot command:
>
> p=PLOT(leeTRMMday, color
> ='magenta',yrange=[0,0.5],thick=2,xticks=12,xtickname = months,$
> title='1998 - 2009 TRMM daily climatology',
> background='transparent')
>
> Is the BACKGROUND keyword used properly? The plot is what I want, but
> the background is still white.There are no compilation errors. What
> exactly does the BACKGROUND keyword in the PLOT procedure represent?
> Is this not the correct way to reference a clear background for a
> plot?
>
> Thank you for any hints.
> cheers,
> teddy allen

From reading graphic__define.pro, which provides the basic object definitions for the plot function, it appears that your request to set BACKGROUND is actually setting the BACKGROUND_COLOR property. This appears to be just an RGB triplet (or an index into a color table). Consequently, "transparent" probably isn't valid, and is just ignored. As far as I can tell, there isn't a one-shot way to get a transparent background on new-style plot.

You might, however, export the plot in a format that allows for transparency, and then use another tool to turn the background color transparent. I use ImageMagick for this on linux and mac systems.

TTFN,

David

Subject: Re: transparent background for line plot in IDL 8.0
Posted by chris_torrence@NOSPAM on Wed, 15 Sep 2010 22:15:49 GMT
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On Sep 15, 7:23 am, teddyallen <teddyal...@yahoo.com> wrote:
> I have a question that seems to be simple, but the answer continues to
> elude me....
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> cheers,
> teddy allen

Hi Teddy,

You should be able to export to a transparent PNG:

```
p=PLOT(leeTRMMday,
color='magenta',yrange=[0,0.5],thick=2,xticks=12,xtickname = months,$
      title='1998 - 2009 TRMM daily climatology')
p.Save, 'myplot.png', /TRANSPARENT
```

There are other keywords to the Save method which might be useful,
like BORDER, RESOLUTION, WIDTH, HEIGHT, etc.

Cheers,
Chris
ITTVIS

Subject: Re: transparent background for line plot in IDL 8.0

Posted by lucanardi93 on Mon, 17 Apr 2017 17:21:11 GMT
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Il giorno giovedì 16 settembre 2010 00:15:49 UTC+2, Chris Torrence ha scritto:
> On Sep 15, 7:23 am, teddyallen <teddyal...@yahoo.com> wrote:
>> I have a question that seems to be simple, but the answer continues to
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> There are other keywords to the Save method which might be useful,
> like BORDER, RESOLUTION, WIDTH, HEIGHT, etc.
>
> Cheers,
> Chris
> ITTVIS

Hi, this is a very old post. Anyway I have a similar problem, but this method doesn't work.
I have a series of data of longitude/latitude and a value associated with a value. I use map_set to plot them, but I work with an asteroid, so i cannot use IDL basic maps, but I need to plot the data

on an image.
A wonderful solution would be to use the image as background for the map_set, but I think it's not possibile, so i have to have a transparent background for the data so that i can overimpose the image data to asteroid map.
My code is the following, thank you.

```
restore, 'variabilinirs.sav'
itokawa = 'desktop\itokawa_map_3600.jpg'
c1 = min(bar[*,2])   ;limiti superiori e inferiori di band area
c2 = max(bar[*,2])
varc = reform(bar[*,2])  ;rende bandareas un array di dim 2 (s ed l) alla lunghezza d'onda del centro banda, deve essere s,l anche questo!
kk = where(varc gt c1 and  varc lt c2)    ;prende indici varc entro i due limiti scelti di banddepth
aa = varc(kk)                    ;prende varc solo entro gli indici kk
device, decomposed=0     ;per colori
loadct, 39
map_set,/cylindrical
 plots,longc(kk),latc(kk),color=255.*(aa-c1)/float(c2-c1),psy m=1
map_grid, label=0
;colorbar, minor=c1*100.,major=c2*100.,col=0,div=5, /vertical
a=tvrd(true=1) & write_png,'mappa.png',a
read_jpeg,itokawa,alb
read_png,'mappa.png',ker
r1=image(alb)
r2=image(ker,/overplot)
r2.save, "desktop"
r2.close
```