
Subject: Save big plots into any file
Posted by [lucsmm](#) on Tue, 10 Nov 2015 02:51:59 GMT
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Hello all

I have a plotting routine that take 6 different files and plots them in an multigraphic window. Each plot have at least 10^6 points.

So when I try to do

p06.save, 'My Plot.emf'

the program never ends and I never have the file saved as I want to.

I was wondering if this is because the large amount of point in the plots, or because it is a multigraphic plot and I am only calling the save command to the last plot generated in the window.

Also , just to plot takes a long time, is this normal?

Thank you

Luz Maria

Subject: Re: Save big plots into any file
Posted by [Phillip Bitzer](#) on Tue, 10 Nov 2015 15:12:33 GMT
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On Monday, November 9, 2015 at 8:52:07 PM UTC-6, luc...@gmail.com wrote:

> Hello all

> I have a plotting routine that take 6 different files and plots them in an multigraphic window. Each plot have at least 10^6 points.

Certainly, you can test this, outside of your current, multigraphic workflow to try to answer the question:

```
p= PLOT(RANDOMN(1L, 1000000), layout=[1, 2, 1])
p2= PLOT(RANDOMN(1L, 1000000), layout=[1, 2, 2], /CURR)
tic
;p.symbol=4
p.save, 'test.png'
toc
```

For me, this took 60 seconds. If I actually plot the points (by adding p.symbol=4), then it takes 121 seconds.

You can then try to add plots to see how the time changes:

You can then add a second plot:

```
p= PLOT(RANDOMN(1L, 1000000), layout=[1, 2, 1])
p2= PLOT(RANDOMN(1L, 1000000), layout=[1, 2, 2], /CURR)
tic
;p.symbol=4 & p2.symbol =4
p.save, 'test.png'
toc
```

Without plotting the individual points, it takes 55 seconds (?!); plotting each point, it takes 175 seconds.

These simple tests will allow you to figure out where the problem may be, and help answer your questions.

Subject: Re: Save big plots into any file

Posted by [lucsmm](#) on Wed, 11 Nov 2015 03:54:01 GMT

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Hello Phillip

Thank yo for the recomendation, I tried and it looks like for each plot I added (using symbols) it was taking about 100 seconds. so it kind of agrees with your little experiment.

I was alsoo trying to dave it as EMF instead of PNG, and I guess that was causing a lot of the delay .

regards,

Luz Maria
