Subject: Re: Making a ginormous 54 panel plot...
Posted by Kenneth P. Bowman on Wed, 01 Dec 2010 20:49:55 GMT

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In article
<5d27124d-2a89-4667-b024-dd293bda55a1@f21g2000prn.googlegroups.com>,
 OUWxGuesser <aaron.kennedy@und.nodak.edu> wrote:

> Here's the deal. I have 54 .png plots I want to combine into a 9x6
> panel plot in IDL. Native resolution for each image is 1000x700
> pixels. This exceeds the maximum buffer size of 8192x8192.
>
> No problem... I use congrid and shrink everything to 90% of the
> original size which gives me a final image size of 8100x3780.
>
> In my code, I first specify the window as:
> p=window(dimensions=[8100,3780])
>
> I then loop through the files I need to panelize (or is it
> penalize? :)) and place them in the appropriate places. This
> works.
>
> The issue I have is IDL does not listen to my dimensions for the
> original window! Instead, it creates a window that is 8192x2632.
> This creates large whitespace between the columns and shrinks the
> individual panels beyond the original 90% of the original size I
> specified. This makes things tough to read which defeats the
> purpose... I want to place these plots on a poster for a conference.
> My alternative *cringe* is to use GIMP to cut and paste the 54 plots
> manually. Yikes!
>
> I have tried messing with the buffer settings thinking this might be
> the source of the problem, but I just end up getting MESA frame
> buffer errors and in some cases, IDL crashes to the desktop with no
> warning. If anyone has any suggestions or assistance, I'd greatly
> appreciate it!

Why are you opening a window?

Can't you just read the PNG files, concatenate or copy them
into your big array, then write the array out as a new PNG.

Ken Bowman