Subject: Re: best image plotting routine
Posted by Bringfried Stecklum on Fri, 08 May 2009 10:36:36 GMT
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liamgumley@gmail.com wrote:
> On May 8, 1:39 pm, "R.G. Stockwell" <noemai...@please.com> wrote:
>> I often use a simple contour command (with /fill) to plot an image,
>> however that is not practical for very large images with NANs in it.
>> One must use /cell, and that takes forever to render, and creates
>> 120mb postscript files.
>>
>> what is the best routine to use to create this plot of an image?
>> Note there are 2 requirements.
>>
>> 1) it must accept "all" graphics keywords.
>> - i use xtickformat to print julian days for instance, ytickv, ytickname,
>> log axis, etc
>>
>> 2) it must create scalable and small postscript files
>> - a bitmap into a postscript is not acceptable. the quality
>> is too low for publication.
> [stuff deleted]
>
> Download the PIP sample programs from
>
> http://gumley.com/PIP/Sample_Programs/PIP_programs.zip
>
> and try the following. First, create the plot onscreen:
>
> data = dist(32)
> imdisp, data, /axis, title='IMDISP TEST', $
>   xtitle='X AXIS', xtickformat='(f6.1)', $
>   /ylog, yrange=[0.1, 1000.0]
>
> then switch to Postscript and redo the image
>
> pson
> device, /helvetica
> imdisp, data, /axis, title='IMDISP TEST', $
>   xtitle='X AXIS', xtickformat='(f6.1)', $
>   /ylog, yrange=[0.1, 1000.0], font=0
> psoff
>
> Note the font=0 keyword to use the device font. If you are using a Mac
> as previously discussed here, you might want to do something like this
> first:
>
> data = rebin(data, 1024, 1024, /sample)

\>
\> Does the resulting PostScript file meet your needs?
\>
\> Liam.
\> Practical IDL Programming
\> http://www.gumley.com/
\>

Hi Liam,

I tried but, strangely enough, can't see any text, neither on the screen nor on
the plot. This is with IDL Version 6.4 (linux x86_64 m64).

Regards,

 Bringfried