Subject: Re: cGimage, Multiplot with /KEEP_ASPECT_RATIO
Posted by Fabzi on Tue, 12 Feb 2013 14:20:03 GMT
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Hi David,

Thanks, I adapted your idea in my code and after a few dozens of tries I
am satisfied with the output ;-) I won't change anything at the code
anymore though!

Cheers,

Fabien

On 02/12/2013 02:54 PM, David Fanning wrote:
> Fab writes:
>
>> In the following I am making two plots with cg* routines.
>>
>> img1 = cgDemoData(7)
>> img2 = congrid(img1, 360, 180)
>> cgDisplay, 900, 400
>> !P.Multi = [0, 2, 1]
>> multimargin = [1,1,1,1]
>> cgImage, img1, MULTIMARGIN=multimargin, /KEEP_ASPECT_RATIO, /AXES
>> cgImage, img2, MULTIMARGIN=multimargin, /KEEP_ASPECT_RATIO, /AXES
>> !P.Multi = 0
>>
>> Nice, but I would like the top limit of the plots being the same
>> (meaning translate the second plot upwards a bit). I could'nt find an
>> easy solution. There must be one though! Any thoughts?
>
> POSITION keyword. Heterogeneous positioning of plots is not the forte
> of !P.MULTI, who is a guy who craves repetition and homogeneity. :-)
>
> And, since you are asking to keep the aspect ratio, you will have to
> be prepared to adjust the position of the second image in Y space.
> I would probably try something like this.
>
> ;---
> img1 = cgDemoData(7)
> img2 = congrid(img1, 360, 180)
> cgDisplay, 900, 400
> cgImage, img1, /KEEP_ASPECT_RATIO, /AXES, $
> POSITION=[0.05, 0.1, 0.475, 0.90], OPOSITION=op
>
> s = Size(img2, /Dimensions)
> imgaspect = Float(s[1])/s[0]

```
>
>  xdist = 0.95-0.525
>  ydist = (xdist * imgaspect) * 2
>  pos2 = [0.525, op[3]-ydist, 0.95, op[3]]
>  cgImage, img2, /AXES, POSITION=pos2, /NoErase
>  ;---------------------------------------------------
>
>
>  Cheers,
>
>  David
>
```