
Subject: Re: cGImage, Multiplot with /KEEP_ASPECT_RATIO
Posted by [David Fanning](#) on Tue, 12 Feb 2013 17:12:57 GMT
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David Fanning writes:

```
> That's a little convoluted. Just for the record, here is a better
> formulation that takes better advantage of cgAspect.
>
> ;----- --
> img1 = cgDemoData(7)
> img2 = congrid(img1, 360, 180)
> cgDisplay, 900, 450
>
> pos = cgLayout([2,1], OYMargin=[4, 11], OXMargin=[5, 8], XGap=6)
> pos1 = pos[:,0]
> img1pos = cgAspect(Position=pos1, Aspect=img1, Align='top')
> cgImage, img1, CTIndex=3, /AXES, POSITION=img1pos, OPOSITION=op
> cgColorbar, CTIndex=3, /Fit
>
> pos2 = pos[:,1]
> ydiff = op[3] - pos2[3]
> pos2[3] = op[3]
> pos2[1] = pos2[1] + ydiff
>
> img2pos = cgAspect(Position=pos2, Aspect=img2, Align='top')
> cgImage, img2, /AXES, POSITION=img2pos, CTIndex=2, /NoErase
> cgColorbar, CTIndex=2, /Fit
> END
> ;----- --
```

Now that I look at the code in the light of day, it is even simpler than that! Try this.

```
;----- --
img1 = cgDemoData(7)
img2 = congrid(img1, 360, 180)
cgDisplay, 900, 450

pos = cgLayout([2,1], OYMargin=[4, 11], OXMargin=[5, 8], XGap=6)
pos1 = pos[:,0]
img1pos = cgAspect(Position=pos1, Aspect=img1, Align='top')
cgImage, img1, CTIndex=3, /AXES, POSITION=img1pos, OPOSITION=op
cgColorbar, CTIndex=3, /Fit

pos2 = pos[:,1]
img2pos = cgAspect(Position=pos2, Aspect=img2, Align='top')
cgImage, img2, /AXES, POSITION=img2pos, CTIndex=2, /NoErase
```

```
cgColorbar, CTIndex=2, /Fit
```

```
END
```

```
;----- --
```

```
--
```

David Fanning, Ph.D.

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
