
Subject: Re: simple tiling of images into a montage

Posted by [btt](#) on Mon, 28 Nov 2005 16:45:31 GMT

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Aziz P wrote:

> Hello all,

>

> is there a quick and easy way to visualize a whole stack of images as a
> tile or montage? I have MRI data from multiple slice locations and
> wanted to generate a virtual "film" with the slices arranged in a grid
> for simultaneous display. Volume rendering is not desirable in this
> case. Any help or pointers would be much appreciated.

>

Hi,

This is pretty easy if you get on of the right tools. Both David Fanning's TVIMAGE (and TVSCALE) and Liam Gumley's IMDISP will honor the !P.MULTI system variable which you can set up to display individual plotting regions in a grid layout. Each of these will honor the POSITION keyword if you want to carve up the display space on your own. The documentation for IMDISP has an example of how these work.

Ben

Subject: Re: simple tiling of images into a montage

Posted by [David Fanning](#) on Mon, 28 Nov 2005 16:54:10 GMT

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Aziz P writes:

> is there a quick and easy way to visualize a whole stack of images as a
> tile or montage? I have MRI data from multiple slice locations and
> wanted to generate a virtual "film" with the slices arranged in a grid
> for simultaneous display. Volume rendering is not desirable in this
> case. Any help or pointers would be much appreciated.

Here is how I would display all 57 of the 80-by-100 images
in the head.dat data set:

```
file = Filepath(Subdir=['examples', 'data'], 'head.dat')
OpenR, lun, file, /Get_Lun
data = Bytarr(80,100,57)
ReadU, lun, data
Free_Lun, lun
```

```
Window, XSize=80*10, YSize=6*100
```

```
FOR j=0,56 DO TV, data[*,*], j
```

Cheers,

David

--

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Fanning Software Consulting, Inc.

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