Subject: Re: annotated text without using graphics device in IDL? Posted by David Fanning on Wed, 07 May 2003 17:53:04 GMT

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Howard Taylor (howard.taylor@ihuapl.edu) writes:

```
> I'd like to annotate an image without having to first draw the text on the
> active graphics display and then read the image back. This undesirable
> method might look like:
>
     a=indgen(256,256)
>
>
     xyouts, 100, 100, 'this text', /device
>
     b=tvrd()
>
>
>
  Instead, I'd like an approach that doesn't rely on the graphics device at
  all. It might be called in this way:
>
     a=findgen(256,256)
>
     b = imgtext(a, 100, 100, 'this text')
>
>
> As a result, b is an image whose contents have been altered to include the
  text.
```

Here is the two minute version, written as I am leaving the office to play tennis:

> Anybody seen this sort of thing for IDL?

FUNCTION ImgText, image, xloc, yloc, text s = Image Dimensions(image, XSize=xs, YSize=ys) oldWindow = !D.Window Window, /Free, /Pixmap, XSize=xs, YSize=ys TVImage, image, /TV XYOutS, xloc, yloc, text, /Device textImage = TVRead() WDelete. !D.Window IF oldWindow GE 0 THEN WSet, oldWindow RETURN, textImage **END**

You will need a couple of Coyote programs:

http://www.dfanning.com/image_dimensions.pro http://www.dfanning.com/tvimage.pro http://www.dfanning.com/tvread.pro

Cheers,

David

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

Toll-Free IDL Book Orders: 1-888-461-0155