Subject: Array Subscripting Puzzle
Posted by David Fanning on Fri, 17 May 2002 17:53:08 GMT

Folks,

I have a 24-bit image. You can interleave it anyway
you like that will make the problem described below
trackable. At the moment it is 800 by 600 by 3.

I have the indices of something I want to draw on
the image. Say they are the indices of the outlines
of some continents. For example, like this:

```
window, xsize=800, ysize=600
map_set, /Cylindrical, position=[0,0,1,1]
map_continents, /fill
a = tvrd()
indices = where(a GT 0)
```

I want to make all the outline pixels yellow.
I *could* do this:

```
r = Reform((image[*,*,0]))
g = Reform((image[*,*,1]))
b = Reform((image[*,*,2]))
r[indices] = 255
g[indices] = 255
b[indices] = 0
image[*,*,0] = r
image[*,*,1] = g
image[*,*,2] = b
```

That seems wasteful and inelegant. There must be
a way to do this in one go. I'm sure it uses REBIN
and REFORM, but I'm not sure in which order. :-(

Can anyone help?

Cheers,

David

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