Subject: Re: creating variables in a FOR loop
Posted by David Fanning on Thu, 02 Feb 2012 15:07:34 GMT

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singlebinary writes:

> I would like to read in 6 files and associate 6 variables in which to
> store the information. In the code below, I like to create variables
> which names, "m_0, im_1 and so on. However, I get s 'Syntax error' in
> line 6. Please help! Thanks in advance.
>
> 1   PRO CCFs
> 2   files=file_search('*.fits')
> 3   FOR i = 0, n_elements(files)-1 DO BEGIN
> 4 temp = i
> 5 'im_'+strtrim(temp,2) = mrdfits(files[i],0,h)
> 6   ENDFOR
> 7
> 8 END

I know you *think* this is what you want to do,
but I seriously doubt it is *really* what you want
to do. I would probably use a pointer array (or list,
if you are using IDL 8) to store the images, especially
if they were not all the same size. (If they are
the same size, an array would be my first choice.)

```
FUNCTION CCFs
  files=file_search('*.fits', Count=count)
  images = PtrArr(count)
  FOR i = 0, count-1 DO BEGIN
    images[i] = Ptr_New(mrdfits(files[i],0,h))
  ENDFOR
  RETURN, images
END

  ptr = CCFS()
  cgImage, *ptr[3] ; To display the fourth image.

END
```

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")