Subject: Re: PLOT3D format input
Posted by David Fanning on Wed, 18 Mar 2015 03:17:38 GMT

Matthew Argall writes:

```
>
>>  t=FINDGEN(5,200)
>>  x = t(1,*)
>>  y = t(2,*)
>>  z = t(3,*)
>>
>>  p = PLOT3D(x, y, z,'o')
>
>
```
> I have found that function graphics are particularly picky about whether you pass them a column vector or row vector. Problems arise when you pass data in as a row vector (a 1xN array, as you are doing above). The solution is to reform your data into a column vector (Nx1 array), like so
```
>
>  x = reform(t[1,*])
>  y = reform(t[2,*])
>  z = reform(t[3,*])
>
>  p = plot3d(x, y, z, 'o')
```

Actually, visa versa, but we get the idea. :-)

```
  x = t[1,*] is a column vector.
  y = Reform(t[2,*]) is a row vector.
```

Cheers,

David

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