
Subject: PLOT3D format input

Posted by [lukesmm](#) on Wed, 18 Mar 2015 01:04:21 GMT

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Hello

I am using PLOT3D

and when the format of my x,y,z vectors is

```
X      FLOAT = Array[200]
Y      FLOAT = Array[200]
Z      FLOAT = Array[200]
```

it works

Now, when the format of the vectors is

```
X      FLOAT = Array[1, 108]
Y      FLOAT = Array[1, 108]
Z      FLOAT = Array[1, 108]
```

it doesn't work and IDL says that

```
% Expression must be a scalar or 1 element array in this context: <BYTE    Array[2]>
```

any idea what is happening, my original data is in a (9,108) array. how do I convert them ... this is similar to my code, t is generated from other software

```
t=FINDGEN(5,200)
x = COS(t) * (1 + t / 10)
```

```
help, x
p = PLOT3D(x(0,*), x(1,*), x(2,*),'o')
```

```
t=FINDGEN(5,200)
x = t(1,*)
y = t(2,*)
z = t(3,*)
```

```
help, x,y,z
p = PLOT3D(x, y, z,'o')
```
