
Subject: More 3-d plot questions

Posted by [fireman](#) on Wed, 14 Apr 1993 14:20:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello again,

I have another question about 3-d plotting. How do I get a logarithmic Z-axis? There is no /ZTYPE keyword for either the SURFACE or AXIS routines. I tried two approaches:

```
!z.type = 1 & surface, Z & !z.type = 0 ; doesn't work at all.
```

```
; or
```

```
surface, alog10(Z), zstyle = 5 ; don't plot Z axis
```

```
!z.type = 1 ; set to log Z axis
```

```
axis, zaxis = 1, zstyle = 1 ; plot the log Z axis
```

```
!z.type = 0 ; set to linear Z axis
```

The second approach works, but has some bugs. For example, when the log(Z) range < 1, I get only one tick marked. Is there a better way?

I also still need answers to my earlier questions:

- 1) How do I plot a series of 2-d plots, vertically oriented and positioned along the Z axis?
- 2) For any 3-d plot, how do I get annotation to come out on the X-Z plane?

```

/ | , , , , , _
(_)//(_)(_/| |_/
/| /| IUEGTC::FIREMAN IUE Observatory
(_/ (_/ fireman@iuegtc.dnet.nasa.gov (301) 794-1560
```