Subject: Shortening specific axes - How ??
Posted by gnaa38 on Thu, 30 Jun 1994 15:23:29 GMT
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Below is some questions and answers i havrom VNI Technical Support.
Unfortunately they couldn't solve my problem.
Does anyone else have any ideas.

****
From support@imsl.com Thu Jun 30 15:05:46 1994
Date: Thu, 30 Jun 1994 08:04:48 -0600
From: VNI Boulder Customer Support <support@imsl.com>

Hello,

Unfortunately, there is no simple way of affecting the size of the axis.
The only way is how I described below.

Sue Erickson
Technical Support
Visual Numerics, Inc.

From: Paul Porcelli <gnaa38@aero.gla.ac.uk>
VNI Boulder Customer Support writes
>
> Hello,
>
> The only way to change the size of the axes is to use the
T3D function to change the unit cube. The surface command
will draw into the unit cube.

See the explanation of T3D starting at Page 115 of the
User's Guide.

Sincerely,
Sue Erickson
Technical Support
Visual Numerics, Inc.

```
pro test
window,1,xsize=500,ysize=500
a=dist(40)
surface,a,/save
wait,2.0
t3d,scale=[.5,1.,1.]
surface,a,/t3d
end
```

I have produced a 3D mesh. I would like to change a few things about its appearance. I want to change the length of the x axis and the length of the y axis. However i want the scales on theses axes to remain exactly as they are at present. What i really need is a parameter i can alter to adjust the length of the x axis, and a similat parameter to alter the length of the y axis. At different times i may want these axes to be differnet lengths therefore an adjustable parameter would be ideal.
Any info/advice would be great.
****

Sue, thanks for the reply. I have tried your solution but the surface plot is slightly rotated thus reducing the size of the y axis as well as the x axis. Is there anyway round this. I have tried Matlab and it has a fairly simple function to do what i need.
Thanks in advance.
--
Paul Porcelli
