
Subject: Re: contour error..

Posted by [Kenneth P. Bowman](#) on Fri, 03 Mar 2006 00:21:18 GMT

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In article <1141344670.948209.136460@j33g2000cwa.googlegroups.com>, pimpk24@hotmail.com wrote:

```
> I get this pesky error: "v array must have 2 dimensions" when trying to
> do a simple call to contour

> V= -( ( -C* cos(C * z)/C ) / (C/C) ) * exp(-abs(x)/C)
> contour, v, x, z
```

You need to make x and z 2-D, like this:

```
x1= -15000.0
x2 = 15000.0
dx = 100.0
nx= floor((x2- x1)/dx)
x= lindgen(nx) * dx + x1
```

```
z1=0.0
z2=14000.0
dz=100.0
nz=floor((z2-z1)/dz) + 1L
z =lindgen(nz)*dz + z1
```

```
xx = REBIN(x, nx, nz)
zz = REBIN(REFORM(z, 1, nz), nx, nz)
```

```
V= -cos(zz/z2)*exp(-abs(xx/x1))
```

```
contour, v, x, z
```

I had to scale zz and xx in order to make something reasonable to plot.

Ken Bowman
