
Subject: overlying an image and a contour plot
Posted by [tebbens](#) on Fri, 12 Nov 1999 08:00:00 GMT
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We are trying to overlay an image and a contour plot, but can't get a perfect match in position and size.

On the contour plot, the x axis is 652 values and the y axis is 5048 values. We want to fit the image exactly into the contour plot.

The following commands are used:

```
position=[.6,.05,r,.95]
tv, image, .6, .05, $
  xsize=position(2)-position(0), $
  ysize=position(3)-position(1), /normal
xvalue = 652.
yvalue = 5048.

; r should be the length of the x-axis in the
; normal coordinate system (x and y window
; size=1)
r= 10./7.*( .9 * xvalue/yvalue) + .6

contour, xstyle=1, ystyle=1, /iso, $
  position=[.6,.05,r,.95], /noerase
```

The image and contour overlay, but the x-axis of the image is too long to fit the contour plot. When the command `tvimage` is used instead of `tv`, the images are the same size, but are offset in both x and y direction by a few pixels.

We think the problem is with the `r` value, but we don't know why the simple commands above don't work.

Any suggestions to get these to overlay?

Thanks in advance.

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