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Subject: Re: Overlaying a contour on a small image  
Posted by [David Fanning](#) on Fri, 29 Feb 2008 19:06:51 GMT  
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David Fanning writes:

```
> Wayne Landsman writes:
>
>> Does anyone have a routine to overlay a contour plot on a small image
>> that is both accurate and aesthetically pleasing?
>
> Isn't this what you want:
>
> im = dist(9)
> thisposition = [0.1, 0.1, 0.9, 0.9]
> TVIMAGE, bytscl(im), POSITION=thisPosition, /KEEP_ASPECT_RATIO, $
> /NOINTERP, /ERASE
> contour,im, Position=thisPosition,/xsty,/ysty,/noerase,$
>   scale_vector(findgen(9), 0, 9), scale_vector(findgen(9), 0, 9)
```

I don't know. What do you think of this:

```
im = dist(9)
im[2,2] = 15
im[4:5, 4:5] = 10
thisposition = [0.1, 0.1, 0.9, 0.9]
TVIMAGE, bytscl(im), POSITION=thisPosition, /KEEP_ASPECT_RATIO, $
  /NOINTERP, /ERASE
contour,im, Position=thisPosition,/xsty,/ysty,/noerase,$
  scale_vector(findgen(9), 0, 9), scale_vector(findgen(9), 0,9), $
  level = 6

isocontour, im, v, c, c_value = 6
Plots, v[0,0:6]+0.5, v[1,0:6]+0.5, color=fsc_color('dodger blue')
Plots, v[0,7:*]+0.5, v[1,7:*]+0.5, color=fsc_color('dodger blue')
```

Note how I have to add a half pixel to the ISOCONTOUR to get it anywhere near where I want it. Weird.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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