
Subject: Re: Overlaying a contour on a small image
Posted by [wlandsman](#) on Fri, 29 Feb 2008 20:31:11 GMT
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On Feb 29, 1:41 pm, David Fanning <n...@dfanning.com> wrote:

```
> 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 think any type of scaling is going to work. (The above example does not match the contour overlay with the single high pixel.) The point is that there really is no contour information at the half-pixel edges, since contours depend on the change between pixels. (You can display an image of 1 pixel, but you can't contour 1 pixel.) The program sent by Paolo (thanks!) works by not displaying the outer half pixel where there is no contour information. I actually like this approach.

The ISOCONTOUR routine looks like it could be used to extrapolate contours to the outer half pixel, perhaps in an easier way than the PATH_XY keyword to CONTOUR.

Cheers, --Wayne
