
Subject: Re: OVERLAYING IMAGES

Posted by [Rick Towler](#) on Thu, 12 Apr 2001 17:45:04 GMT

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If you literally want to control the opacity of your plots (vs. doing something with your data before contouring to fake it) you could try something like this:

1.plot your contour. This could be done in object graphics, or direct.

2.draw the plot to a buffer, read the buffer and you'll get an image object. If you plotted with direct graphics you'll read the device you plotted to to get the image data, then create an image object with that data.

3.add a 4th (alpha) channel to the image object like so:

```
image -> GetProperty, data = imagedata
imagedims = size(imagedata)
newimage=make_array(imagedims[1]+1,imagedims[2],imagedims[3] , $
    /byte, /nozero)
newimage[0:2,*,*] = imagedata
newimage[3,*,*] = 255 (see note below)
image -> SetProperty, data = newimage
```

the value you set the alpha channel to will determine the opacity. Your range is 0 (completely translucent) to 255 (opaque).

4.repeat 1-3 for the second plot.

5.create two idlgrpolygon objects, one on top of the other, and texture map your images on them.

6.by changing the alpha value of your image objects you can fade them in and out.

If you are familiar with object graphics and have played around with the polygon object and have done some texturing then this is fairly easy. If not, plan to spend some time with the documentation. Everything is there, you'll just have to experiment a little. Then encourage David to write this Object Graphics book he has been threatening to write. Speaking of David, I think he has a program demonstrating this alpha channel stuff on his web

site. I would check that out. It may even be a drop in solution.

-Rick Towler

"Mark Chan" <chanm@cadvision.com> wrote in message
news:9b38m8\$f0f\$1@news3.cadvision.com...

> 1) plot some contour, using contour fill

>

> 2) oplot it with a different contour fill

>

> You get: only (2) appears (the other has been covered).

>

> Is there a way to make (2) translucent so that one can see both images at
> the same time?

>

> Thanks,

> Mark

>

>