
Subject: Re: Colour fill contour plots

Posted by [Paul Krummel](#) on Fri, 23 Mar 2001 05:06:50 GMT

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Hi Morwenna,
How are you?

I mucked around with this for a little bit and came up with this:

```
a=dist(100)
contour,a,levels=findgen(10)*10
  contour,a,levels=[30,40],c_col=[250,0],/cell_fill,/over,min_value=29,max_val
ue=41
```

Note the use of /cell_fill instead of /fill. I also had to use min and max values of 29 and 41 -> try using min and max of 29.9 and 40.1! This causes stepping in the filling (due to data outside of the range 29.9 and 40.1 being treated as missing).

Anyway, the above will "blank" out a small part of the y-axis (look near the 40 and 60 tick marks).

This is due to the colour '0' being used to fill between data values of 40 and 41.

So to get around this I did the following which is a bit kludgy:

```
a=dist(100)
contour,a,levels=findgen(10)*10,/nodata
  contour,a,levels=[30,40],c_col=[250,0],/cell_fill,/over,min_value=29,max_val
ue=41
contour,a,levels=findgen(10)*10,/noerase
```

Hope this helps. Has anyone got a better solution, I would certainly be interested to know of another way to do this.

Catch up with you sometime Morwenna.
Cheers, Paul

"Morwenna Griffiths" <morwenna.griffiths@sci.monash.edu.au> wrote in message news:3ABA9401.142CA08D@sci.monash.edu.au...

> I am wanting to do two colour fills on a single plot, but can't seem to
> get a "transparent" colour.

>

> I can colour in between just the values I want with something like

> contour,b,levels=findgen(20)*10

> contour,a,levels=[70,80],c_col=[250,0],/fill,/over

> but then this blacks (background colour) in all values of a over 80.
>
> I have tried
> contour,a,levels=[70,80],c_col=[250],/fill,/over
> but this fills all values over 70 with my required colour.
>
> What I want to do is to fill between 70 and 80 with a particular colour
> but leave the rest of the plot
> unchanged.
>
> Any ideas?
>
> Morwenna
>
> --
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