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Subject: Re: Smooth Contour Plot

Posted by [Sofie Fehlmann](#) on Tue, 01 Nov 2011 14:59:16 GMT

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I finally found the solution.

Maybe I didn't state the problem very well. I have a matrix with data points. What I wanted to do is the following: Each point should have a certain color such that I get a smooth picture. Somehow, when I changed the number of levels (n\_levels), the color scheme just started from the beginning.

The following pattern worked finally:

```
levels = 256
step = (Max(data) - Min(data)) / levels
userLevels = IndGen(levels) * step + Min(data)

contour(data,x,y,rgb_table=33,/
fill,c_value=userlevels,c_color=indgen(levels)+1)
```

Doing so, I have created an array of data-steps. Further, the c\_color command defines the corresponding color.

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