
Subject: Re: How to make color-scale legend
Posted by [ruckman](#) on Tue, 13 Apr 1993 10:15:56 GMT
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In article <1qcqrbINNm7f@elroy.jpl.nasa.gov> ian@gomez.Jpl.Nasa.Gov (H. Ian Novack) writes:
> In article <34196@oasys.dt.navy.mil> ruckman@oasys.dt.navy.mil writes:
>> Is there a way to make a color-scale legend for a 3-D plot or image? By
>
> Well, when I need such a box, I just make an array and fill each line with
> a value from 0 to 255. The lines are in increasing or decreasing order. Then
> I display it in an appropriate spot in the window, and read the screen into
> a variable to make the combined image.

I found a solution in a group of procedures available by anonymous ftp. There is a procedure called TVIM that displays an image with axes, a title, and a color scale.

I had to make a minor modification that I suspect is needed often by users of IDL for Windows. The procedures use different techniques depending on the current device, but they were written before the 'WIN' device existed. Therefore, whenever I found a command such as

```
if !d.name eq 'X' then begin
```

I had to change it to

```
if !d.name eq 'X' or !d.name eq 'WIN' then begin
```

I also modified the color scale legend to show the exponent separately when the numbers are very small or large. In other words, rather than showing the values as x.xxe-yy, I show them as x.xx and then put the exponent at the bottom. Anyone interested in the modifications should e-mail me.

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Chris Ruckman - ruckman@oasys.dt.navy.mil | This .sig brought to you by
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