Subject: Re: color by variable interpolate?
Posted by vorticitywolfe on Tue, 12 Sep 2006 15:16:13 GMT
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Thanks David for your help! That is a pretty nifty function (bytscl).
In the end, my final code looks like this for anyone who is
interested...

LoadCT, 34, /silent ; Rainbow color table

```
  ; Scale temp from 12 to 255.
  color = BytScl( T, Top=255-12) + 12B
```

plot,x,y,/nodata
    PLOTS, x,y , PSym=sym(3), Color=color

Note that in the absence of the for loop, as David mentioned, you do
not need to sort the array and color=color not T. :-)

David Fanning wrote:
> David Fanning writes:
>
>> I think I would do it like this:
>>
>>   LoadCT, 33 ; Rainbow color table
>>
>>   ; Scale temp from 12 to 255.
>>   color = BytScl(T, Top=255-12) + 12B
>>
>>   ; Sort temp from cold to hot
>>   sortIndex = Sort(T)
>>   x = x[sortIndex]
>>   y = y[sortIndex]
>>   T = T[sortIndex]
>>   PLOT, x, y, /NoData
>>   PLOTS, x, y, PSym=sym(3), Color=T
>
> Whoops! Brain jam.
>
> I was trying to use your PLOTS command, which would
> require your temperature array to be sorted, if you
> want to use it in the loop, as in your example. In my
> example, I have done away with the loop, so no sorting
> is necessary.
>
> Cheers,
>

> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")