
Subject: Re: combining color tables

Posted by jochem.verelst@gmail.com on Tue, 10 Jun 2008 06:52:53 GMT

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On Jun 9, 4:13 pm, Jeremy Bailin <astroco...@gmail.com> wrote:

> On Jun 8, 9:02 am, "jochem.verelst@gmail.com"

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> <jochem.verelst@gmail.com> wrote:

>> Hi IDL gurus,

>

>> A color question. In an image I wish to show the values until a
>> threshold (e.g. 1) in one color gradient (e.g. red) and the values
>> from this threshold onwards into another color gradient (e.g. blue).

>

>> In the newsgroup I found the following suggestion with code to combine
>> 2 color tables. However, to me, only the color gradient of the last
>> loaded color table is shown.

>

>> ;Why not use two different colormaps altogether...

>> im=randomu(sd,100,100)*10 ; some fake data

>> ;; Load red into upper half of color map, and blue into the lower half

>> loadct,3,BOTTOM=!D.N_COLORS/2; red

>> loadct,1,NCOLORS=!D.N_COLORS/2;blue (only this color table is shown)

>> ;; the upper half

>> dpos=bytsc1(im,MIN=1.,TOP=!D.N_COLORS/2-1)+!D.N_COLORS/2

>> ;; the lower half, in reverse!

>> dneg=!D.N_COLORS/2-1-bytsc1(im,MAX=1.,TOP=!D.N_COLORS/2-1)

>> ;; Put them together

>> d=dpos*(im ge 1.)+dneg*(im lt 1.)

>> tvimage, d

>

>> Can someone help me out? I also wish to show a color bar.

>> greetzz, Jochem

>

> I think you want !D.TABLE_SIZE (the number of entries in the colour
> table) instead of !D.N_COLORS (the number of different colours
> possible in the display).

>

> -Jeremy.- Hide quoted text -

>

> - Show quoted text -

Rigth, now it works perfectly :) Thanks a lot. Also thanks for the suggestion of checking the Brewer color tables. They are very nice.

