
Subject: Re: Stupid color question

Posted by [mmiller3](#) on Wed, 07 Apr 2004 16:19:38 GMT

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>>>> > "Bruce" == Bruce Bowler <bbowler@bigelow.org> writes:

> It's time for another stupid color question... I have an
> 2d array of data that I want to display. Currently I do it
> with the following...

> tv, bytscl(glocal, min = 0, max = maxval)

> There are 2 allowable negative values, that are, as a
> result of the bytscl set to "0" in the display. What I'd
> like to do is have those 2 negative values displayed with
> the 2 lowest colors in the color table and then scale the
> values from 0 to maxval across the remaining colors. I'm
> sure I could write my own bytscl-like routine to do that,
> but if it's already been done or is available in 5.6
> already...

Suppose you wanted the two negative values to show up as blue and red. Then you could do the following

loact, 0 ; load color table here

red = 255

tvlct, 200, 0, 0, red

blue = 254

tvlct, 72, 61, 180, blue

topClr = 253

img = bytscl(glocal, min = 0, max = maxval, top=topClr)

img[where(glocal eq one_negative_value)] = red

img[where(glocal eq other_negative_value)] = blue

tv, img

If you just want the bottom two colors in the color table, use this instead:

img[where(glocal eq one_negative_value)] = 0

img[where(glocal eq other_negative_value)] = 1

tv, img

