
Subject: Re: rainbow colortable

Posted by [larkum](#) on Mon, 06 Feb 1995 06:38:10 GMT

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In article 39s@jhunix1.hcf.jhu.edu, mfishler@bme.jhu.edu (Matthew Fishler) writes:

> Hi all,
>
> Just wondering... Does anyone know where I can get a colortable that
> progresses smoothly from blues --> yellows --> reds (ie, a rainbow
> colortable). None of the standard colortables seem to even come close.
> BTW, not that I think it will matter, but I'm using pv-wave (5.0).
>
> Thanks a bunch,
> ==Matthew

Here's a LUT that will do a rainbow. I'm not entirely satisfied
with the result but it should be easy to play around with.

Matthew

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matthewl@cortex.physiol.su.OZ.AU

===== cut here =====

```
;  
:$Id: template,v 1.1 91/03/11 20:30:47 jeffry Exp $  
;  
;  
;+  
; NAME: LOAD_RAIN  
; WRITTEN BY: Matthew Larkum, University of Bern, Switzerland.  
; DATE: Monday, February 6, 1995  
; PURPOSE: Loads "rainbow" colour table that is useful for indicating  
; intensities in images from calcium fluorescence measurements.  
; CATEGORY: Image processing  
; CALLING SEQUENCE: LOAD_RAIN  
; INPUTS: None.  
; OPTIONAL INPUT PARAMETERS: None.  
; KEYWORD PARAMETERS: None.  
; OUTPUTS: None.  
; OPTIONAL OUTPUT PARAMETERS: None.  
; COMMON BLOCKS: None.  
; SIDE EFFECTS: None.  
; RESTRICTIONS: None.  
; PROCEDURE:  
; EXAMPLE: LOAD_RAINBOW
```

```
; NOTES:  
; MODIFICATION HISTORY:  
;-  
pro load_rain  
red = bytarr(256)  
green = bytarr(256)  
blue = bytarr(256)  
  
red = bytarr(256)  
green = bytarr(256)  
blue = bytarr(256)  
red(1:67) = reverse(indgen(67)*2/3)  
red(101:150) = indgen(50)*5  
red(151:255) = 255  
green(50:99) = indgen(50)*5  
green(100:154) = 255  
green(155:204) = reverse(indgen(50)*5)  
green(204:254) = indgen(51)*5  
green(255) = 255  
blue(1:52) = indgen(52)*4 + 51  
blue(53:74) = 255  
blue(75:100) = reverse(indgen(26)*10)  
blue(204:254) = indgen(51)*5  
blue(255) = 255  
  
tvlct, red, green, blue  
end
```
