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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========== 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
; intesities 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
```