
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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; \$Id: template,v 1.1 91/03/11 20:30:47 jeffry Exp \$

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;+

; 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

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; 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

tv!ct, red, green, blue
end
```
