Subject: Color tables
Posted by Clive Cook on Thu, 07 Mar 2002 11:17:42 GMT
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Is there any where on the web i can download color table files that other
people have put together?

cheers
Clive

Subject: Re: Color tables
Posted by Robert Stockwell on Thu, 07 Mar 2002 15:02:10 GMT
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Clive Cook wrote:

> Is there any where on the web i can download color table files that other
> people have put together?
>
> cheers
> Clive

Hi Clive,
that is a good idea, perhaps everyone can post
their favourite color table procedures.

The one I often use is attached.(It also has some
main level example code at the end, so you can just
run the procedure to see what it looks like).
I received it from Dennis Riggin who I think
got it from someone else.

Cheers,
bob stockwell

```
pro colorspec, red, green, blue
; Carefully smoothed color table
; common colors, r_orig, g_orig, b_orig, r_curr, g_curr, b_curr
red=fltarr(256)
```

```
green=fltarr(256)
blue=fltarr(256)
fred=  [ 0.3,  0.3,  0.3,  0.3,  0.2,  0.1,  0.0,  0.0,  0.0,  0.0,  0.0,$
        0.0,  0.0,  0.2,  .56,  .70, 0.82,  0.9, 0.95,  1.0,  1.0,  1.0,  1.0,$
        1.0,  1.0,  1.0 ]
fgreen=[ 0.1,  0.1,  0.1,  0.1,  0.1,  0.1, 0.35,  0.5, 0.65, 0.75, 0.85,$
        0.9, 0.93,  0.95,0.94, 0.93, 0.90, 0.86, 0.82, 0.77,  0.7,  0.6,  0.5,$
        0.4,  0.3,  0.0 ]
fblue= [ 0.4,  0.6,  0.7,  0.8,  0.9,  1.0,  1.0,  1.0,  0.9,  0.8,  0.7,$
        0.6,  0.5,  0.1,  0.0,  0.0,  0.0,  0.0,  0.0,  0.0,  0.0,  0.0,  0.0,$
        0.0,  0.0,  0.0 ]
for icx=0,24 do begin
  for icy=0,9 do begin
    icz=10*icx+icy
    red(icz)=((fred(icx)+(fred(icx+1)-fred(icx))*icy/10.)*255.)
     green(icz)=((fgreen(icx)+(fgreen(icx+1)-fgreen(icx))*icy/10. )*255.)
     blue(icz)=((fblue(icx)+(fblue(icx+1)-fblue(icx))*icy/10.)*25 5.)
  endfor
endfor
red(0)=0
green(0)=0
blue(0)=0
if !d.window eq -1 then loadct,0,silent=1
red(0:!d.table_size-2)=interpolate(red, $
                    findgen(!d.table_size-1)/(!d.table_size-2)*249.)
green(0:!d.table_size-2)=interpolate(green, $
                    findgen(!d.table_size-1)/(!d.table_size-2)*249.)
blue(0:!d.table_size-2)=interpolate(blue, $
                    findgen(!d.table_size-1)/(!d.table_size-2)*249.)
red(!d.table_size-1:255)=255
green(!d.table_size-1:255)=255
blue(!d.table_size-1:255)=255
red=byte(red)
green=byte(green)
blue=byte(blue)

tvlct,red,green,blue
return
end



; test code
colorspec
arr = findgen(256)#(fltarr(500)+1)
shade_surf,arr,ax=90,az=0,shade =arr

end
```

File Attachments

1) colorspec.pro, downloaded 88 times