Subject: update vert_colors of new graphics
Posted by Markus Schmassmann on Wed, 30 Aug 2017 15:36:28 GMT
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Hi everybody,

I have a series of images with an overploted line with changing color.
While I know how to update the underlying image and the coordinates of
the line I have problems updating the colors.
A single image is plotted using the "new" graphics with:

```
help, x,y,c,conti
% X       double     [0,256,1501]
% Y       double     [0,256,1501]
% C       byte       [0,256,1501]
% CONTI   float      [100,100,1501]
cwheel=byte( colortable( reform( [ !color.red,!color.orange, $
     !color.yellow,!color.green,!color.blue,!color.purple,!color. red ], $
    [3,7] ),/transpose ) )

i=800
i1=image(conti[*,*,i])
p1=plot( [x[0,*,i], y[0,*,i]], overplot=i2, $
         vert_colors=c[0,*,i], rgb_table=cwheel )

; and updated with
for i=0,1500 do begin
    i1.putData, conti[*,*,i]
    p1.putData, [x[0,*,i],y[0,*,i]]
;;; ----> UPDATE VERT_COLORS HERE<----- ;;;
endfor

; but I don't know how to update the VERT_COLORS
; a limited workaround is keeping VERT_COLORS constant
; but changing the RGB_TABLE as follows:

i=800
i2=image(conti[*,*,i])
p2=plot([x[0,*,i], y[0,*,i]],overplot=i2,vert_colors=bindgen(256), $
        rgb_table=cwheel[*,c[0,*,i]])

for i=0,1500 do begin
    i2.putData, conti[*,*,i]
    p2.putData, [x[0,*,i],y[0,*,i]]
    p2.rgb_table=cwheel[*,c[0,0:255,i]]
endfor

; but this works only if for every time step there are at most 256
```

; values to plot

does anybody know how to properly update VERT_COLORS ?

Any help would be appreciated, thanks, Markus