Subject: Re: xplots3D - colorbar
Posted by penteado on Tue, 08 Sep 2009 17:43:22 GMT
View Forum Message <> Reply to Message

On Sep 8, 7:21 am, "Thibault ." <garthalg...@yahoo.fr> wrote:
> Hi,
>
> I can't figure out how to use xplot3d with IDLgrcolorbar.
> I created a color table (scaling with my data values) and i want to
> apply it to a 3D plot but I don't know what to do!!
> If anyone's got an idea...
> Thanks

It is much easier to it with iplot, instead of xplot3d. For instance:

x=findgen(10) & y=x & z=x & colors=x*255/9.
iplot,x,y,z,vert_colors=colors,/insert_colorbar,rgb_table=1

Subject: Re: xplots3D - colorbar
Posted by penteado on Tue, 08 Sep 2009 17:50:26 GMT
View Forum Message <> Reply to Message

On Sep 8, 2:43 pm, pp <pp.pente...@gmail.com> wrote:
> On Sep 8, 7:21 am, "Thibault ." <garthalg...@yahoo.fr> wrote:
>
>> Hi,
>
>> I can't figure out how to use xplot3d with IDLgrcolorbar.
>> I created a color table (scaling with my data values) and i want to
>> apply it to a 3D plot but I don't know what to do!!
>> If anyone's got an idea...
>> Thanks
>
> It is much easier to it with iplot, instead of xplot3d. For instance:
>
> x=findgen(10) & y=x & z=x & colors=x*255/9.
> iplot,x,y,z,vert_colors=colors,/insert_colorbar,rgb_table=1

That is using a standard table (1). If you made your own colortable,
pass it (3x256 or 256x3 array) as the value of rgb_table.

Subject: Re: xplots3D - colorbar
Posted by Thibault . on Wed, 09 Sep 2009 10:33:15 GMT
View Forum Message <> Reply to Message

Thanks a lot for your answers!

>> x=findgen(10) & y=x & z=x & colors=x*255/9.
>> iplot,x,y,z,vert_colors=colors,/insert_colorbar,rgb_table=1

OK for iplot!

> That is using a standard table (1). If you made your own colortable,
> pass it (3x256 or 256x3 array) as the value of rgb_table.

OK, what is the command? iplot,x,y,z,rgb_table=my_colortable,/
insert_colorbar ?
Do I need the color=.... keyword?

Subject: Re: xplots3D - colorbar
Posted by penteado on Wed, 09 Sep 2009 20:11:49 GMT

View Forum Message <> Reply to Message

On Sep 9, 7:33 am, "Thibault ." <garthalg...@yahoo.fr> wrote:
> Thanks a lot for your answers!
>
>>> x=findgen(10) & y=x & z=x & colors=x*255/9.
>>> iplot,x,y,z,vert_colors=colors,/insert_colorbar,rgb_table=1
>
> OK for iplot!
>
>> That is using a standard table (1). If you made your own colortable,
>> pass it (3x256 or 256x3 array) as the value of rgb_table.
>
> OK, what is the command? iplot,x,y,z,rgb_table=my_colortable,/
> insert_colorbar ?
> Do I need the color=.... keyword?

Something like

iplot,x,y,z,vert_colors=colors,/
insert_colorbar,rgb_table=my_colortable

Where my_colortable is a 3x256 or 256x3 array with the r,g,b values
for each of the 256 color indexes.