Subject: Re: Image scale as 0 - 4096 instead of 0 - 255
Posted by Mark Hadfield on Wed, 27 Mar 2002 00:45:15 GMT
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"Akhila" <idlfreak@yahoo.com> wrote in message
news:b1ad7b05.0203261438.19606cd0@posting.google.com...
> I can display two images in two different windows in direct graphics
> like this:
>
> ...
>

> I want to display the two images this way in two windows but in
> object graphics. I tried to do the following in object graphics, but
> didn't help.
>
> oImage = Obj_New('IDLgrImage', image, ORDER = 2)
> oWindow = Obj_New('IDLgrWindow')
> oView = Obj_New('IDLgrView', VIEWPLANE_RECT = [0,0,512,512], COLOR =
> [0,0,0], PROJECTION = 2)
> oModel = Obj_New('IDLgrModel')
> oModel -> Add, oImage
> oView -> Add, oModel
> oWindow -> Draw, oView
>
> and again for image1.
>
> ...

Hmmm. I think it's a redrawing problem. If I run your code on my
system (IDL 5.5, Windows 2000, hardware renderer) I get two object
graphics windows, one on top of the other. The image is visible in the
second window (ie. the one initially visible), but when I expose the
first window it's black. Then when I expose the first window it's
black also. And they both stay black thereafter, because the
IDLgrWindow objects don't retain their contents and they're not being
redrawn on exposure.

A simple fix is to set the RETAIN property of the IDLgrWindows to
something other than 0. (Possible values are 1 & 2. On Windows they
give identical results. On Unix it depends on X backing store and
other complicated stuff--try them both.)

The basic problem is that Object Graphics provides quite a nice
toolkit for scientific visualisation, but it's all very
low-level. Plain IDLgrWindow objects are not really very useful. You
need an object-graphics window embedded in a widget application with
event-handling code to take care of redrawing. You could display each

of your IDLgrImage objects with XOBJVIEW. Or you roam through David Fanning's WWW site looking for something suitable. My IDL libray has a general-purpose OG window object (MGH_Window) that could be just what you need. It's at

  http://katipo.niwa.cri.nz/~hadfield/gust/software/idl/

As I've explained recently on this group, my library is not as user-friendly as some others. But you're welcome to try it out and I'd love to hear how you get on.

--
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