
Subject: Re: IDL and mac-eXodus (was IDL and MacX)

Posted by [rivers](#) on Wed, 15 Mar 1995 14:54:21 GMT

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In article <3k6ghd\$3lv@kwuz.nerc-keyworth.ac.uk>, Fergus Gallagher <F.Gallagher@nerc.ac.uk> writes:

>>

> Some of my colleagues have just started using eXodus on there

> spanking new 7100 PowerPCs.

>

> IDL initialises (pseudocolor=8) with 224 cols,

> (!d.colors=!d.table_size=224) which is normal for OpenWindows.

> But the color tables are strange. For example, Xloadct color

> tables are strangely banded: CT 0 (black-white) has 16 equal

> bands but some of the others have more bands but with non-uniform

> widths.

>

I use eXodus with IDL a lot. I have it set up as following:

Backing store support: Use when mapped

Colors: 256 colors

Color matching tolerance: Exact color match

I only have IDL ask for 64 colors. Here is the result of HELP, /DEVICE when I use eXodus on my PowerPC as the server:

e 5000

Display Depth, Size: 8 bits, (1024,748)

Visual Class: PseudoColor (3)

Bits Per RGB: 8

Physical Color Map Entries (Used / Total): 64 / 256

Colormap: Shared, 64 colors. Translation table: Enabled

Graphics pixels: Combined, Dither Method: Ordered

Write Mask: 255 (decimal) ff (hex)

Graphics Function: 3 (copy)

Current Font: <default>

Default Backing Store: Req from Server.

Window Status: -----

id typ(x, y, backing store) id typ(x, y, backing store)

0: Win(640, 512, Req from Server)

When I display an image in a window it works fine. However, xloadct gives the banding effect which you describe UNTIL I CLICK IN THE MAIN IMAGE WINDOW. That causes the banding to go away. There appears to be something different about the color strip which xloadct displays from a main IDL window with images in it. I have not investigated it further.

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Subject: Re: IDL and mac-eXodus (was IDL and MacX)
Posted by [rep2857](#) on Fri, 17 Mar 1995 04:12:54 GMT
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In article <3k6ghd\$3lv@kwuz.nerc-keyworth.ac.uk>,
Fergus Gallagher <F.Gallagher@nerc.ac.uk> wrote:

>>
> Some of my colleagues have just started using eXodus on there
> spanking new 7100 PowerPCs.
>
...
> But the color tables are strange. For example, Xloadct color
...
>
> Anyone know about this?
>

Cc'd to F.Gallagher@nerc.ac.uk

Yup, sure do. Select the "Screen Editor..." line in the "Settings"
menu of eXodus. The "Color Matching Tolerance" selection is probably
set to "Normal" or "Highly Tolerant". Change it to "Exact Match" and
you'll get the full color range you're expecting. The rest of the Mac
suffers from the loss of color when you do this, but it's nothing the
"Monitors" control panel can't handle.

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