
Subject: sec : U Re: Producing potable color images from IDL?

Posted by [Andrew Cool](#) on Sun, 24 Nov 2002 23:17:31 GMT

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Chris Mulliss wrote:

>
> Hello,
>
> This is not strictly an IDL question, but here goes...
>
> When I produce 24-bit color images in IDL (running on a SUN) and try to
> display them on an SGI or Windows box, they tend to come out looking very
> dark.
>
> I have been told that it is probably a hardware-dependent gamma correction
> problem. I have been told also that the PNG image format has the ability to
> store the gamma value of the machine that the image was created so that the
> image can be "gamma corrected" on other platforms. IDL's help on PNG does
> not mention this feature and I have this problem with all file formats that
> I have tried including PNG.
>
> So, does anybody know what is going on? Has anyone found a way to make
> images in IDL that don't look dark on other platforms? Does anyone have a
> reference to the mathematical nature of this "gamma correction" so that I
> look into accounting for it in code.
>
> Thanks,
> Chris

Chris,

Have a look at the IDL source code for XLOADCT.PRO in the
lib/utilities directory of your RSI folder for the way they
treat gamma.

Andrew

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