
Subject: Re IDL w/ 12-bit grayscale?

Posted by [Ertel, KG \(Klaus\)](#) on Mon, 03 Apr 2006 13:29:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello Mike,

Is it really worth the hassle? My guess would be that you can't distinguish more than, say, 10 grey levels by eye. 12 bits would give you 4096 grey levels, slight overkill. I very much prefer false colour representations anyway.

Cheers,

Klaus

Klaus Ertel
K.ertel@rl.ac.uk
Central Laser Facility
Rutherford Appleton Lab
UK

-----Original Message-----

From: Mike Chinander [mailto:mchinand@midway.uchicago.edu]

Posted At: 28 March 2006 17:50

Posted To: comp.lang.idl-pvwave

Conversation: IDL w/ 12-bit grayscale?

Subject: IDL w/ 12-bit grayscale?

Does anyone have experience using IDL to display 12-bit grayscale images on hardware that supports it while maintaining full bit-depth of the images? I'm using IDL on Linux and one of the available X11 visuals is GrayScale with depth 12. I used .Xdefaults settings to force IDL to use this visual. TVSCL works but using the /words keyword with TVSCL results in the error that the hardware doesn't support 16-bits per pixel and would sometimes crash the X server. It seems the hardware must actually take 16-bits per pixel even though the depth resolution is only 12-bits.

Thanks,

--Mike

--

Michael Chinander, PhD
m-chinander@uchicago.edu
Department of Radiology
University of Chicago
