
Subject: Re: Problem displaying images on 8 bit monitor

Posted by [mark](#) on Tue, 10 Oct 2006 10:35:43 GMT

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Hi David,

Here are how the images look. Both of these images are of the same variable:

```
bytsc1(bindgen(256) # bindgen(256))
```

This first image is how it should look, and it does using other display programs on my monitor:

http://hem.passagen.se/fysikern/idl/normal_display.tif

This image is a screen-capture using TVRD() of the same variable displayed in IDL using either TV and TVSCL.

http://hem.passagen.se/fysikern/idl/idl_display.tif

The monitor I have is a CRT high-resolution mammography monitor (around 1500x2500 pixels)

Any helpful hints?

Mark

mark skrev:

> Hi David,

>

> Thanks for you responses yesterday but I still can't get the images displayed properly. I'm sorry for insuating that IDL was at fault! :-)

> I'm sure I'm not doing something right...

>

> In response to your suggestions yesterday:

> TV, bindgen(256) # bindgen(256) yields a strange looking image (as expected)

>

> TVSCL, bindgen(256) # bindgen(256) gives me an image of the type I've been getting: a gradient consisting of narrow bands (or tiles/contours). There are about 30 such distinct bands along the gradient. I'm not sure if that number is significant. It would help if I could send you a screen-dump or something to show you what I mean.

```
>
> TV, bytscl(bindgen(256) # bindgen(256)) gives the same result as above
> with the bands.
>
> Byte scaling my own images doesn't change anything (they're already in
> byte format).
>
> So I'm still in the same situation...
>
>
> David Fanning skrev:
>
>> mark writes:
>>
>>> So, there is something not set up right in my IDL environment...
>>> and I have no idea what it is...
>>
>> I rather doubt this. :-)
>>
>> Can you humor me? Try these commands:
>>
>> IDL> Loadct, 0
>>
>> Is this what you are seeing:
>>
>> IDL> TV, bindgen(256) # bindgen(256)
>>
>> What about this?
>>
>> IDL> TVSCL, bindgen(256) # bindgen(256)
>>
>> What about if you scale your image before you display it:
>>
>> IDL> TV, BytScl(image)
>>
>> Cheers,
>>
>> David
>> --
>> David Fanning, Ph.D.
>> Fanning Software Consulting, Inc.
>> Coyote's Guide to IDL Programming: http://www.dfanning.com/
>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```
