
Subject: Re: Plotting results from z-buffer are diffrenet than xwindow.

Posted by [jlpippitt](#) on Tue, 15 Jul 2014 18:57:25 GMT

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On Tuesday, July 15, 2014 10:13:09 AM UTC-4, David Fanning wrote:

>
>
>
>> Z buffer seems to be enhancing our plots of radar imagery. Plotting in the x-window gives us
the correct result. We produce a lot of imagery so using Z-buffer is necessary. Is there a way to
make a z_buffer image appear the same as an x window image.
>
>
>
> The Z-buffer uses a slightly different character size than the normal
>
> display device. And, unfortunately, this affects things like the plot
>
> margins and regions, which are expressed in character size units. To
>
> make sure everything "aligns", you have to make sure you position your
>
> graphics with the POSITION keyword. Otherwise, you won't be able to
>
> align them with your images, etc.
>
>
>
> Almost all of this is done for you, if you were to use Coyote Graphics
>
> routines to display your data. :-)
>
>
>
> Cheers,
>
>
>
> David
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

David,

Thank you for your response. I think z-buffer is applying some kind of smoothing to the data. Holes appear in a precipitation field in the x-window (which is the true representation of the data) while the images created with z-buffer the holes are filled in (maybe nearest pixel smoothing). I think it would be beneficial to see the images I am referring to. Is there a way to post images on here?

Thank you,
Jason
