
Subject: Re: Theie is a small problem about HISTOPLLOT in Coyote's libraries
Posted by [David Fanning](#) on Fri, 16 Oct 2009 17:20:13 GMT

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duxiyu@gmail.com writes:

- > On IDL 7.1.1 under Windows, there seems to be a small problem about
- > the procedure HISTOPLLOT.
- >
- > For example,
- > Histoplot, Dist(256), xrange=[0, 187]
- > Histoplot, Dist(256), xrange=[0, 188]
- >
- > The figures are both wrong and very different.
- > I don't know why these errors happen.

Well, I have to admit, I am pretty much at a complete loss as to why this happens. I use the Plot command to set up a plot coordinate system. I use the same range variables for the Plot command in both the correct and incorrect case. But if the XRANGE keyword is set on that plot command (via keyword inheritance, in this case), the the !Y.S system variable (which provides Y scaling) is completely screwed up. Why setting the XRANGE keyword would affect the Y axis like this is a complete mystery to me.

Perhaps we have discovered a deep bug in the IDL code!

Cheers,

David

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David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
