
Subject: Re: Notable Coyote Program Updates
Posted by [JMZawodny](#) on Mon, 29 Nov 2010 20:08:31 GMT
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... and I suppose combining the two with something like

IDL> TVImage, image, NColors=12, Bottom=1, Color_Table=33

would be asking for too much? I'm sure there is a good reason not to do this but, it is just an optional keyword after all.

Thanks,
Joe

On Nov 23, 10:41 am, David Fanning <n...@dfanning.com> wrote:

> Folks,
>
> As some of you have probably realized, I'm in the process
> of completely refurbishing my Coyote Library. This is what
> happens when you start writing a book. Explaining how
> something works gives you a MUCH better idea of how
> something *ought* to work!
>
> The work is on-going and probably won't be completely
> finished until early next year. But I wanted to give
> you a heads-up on a couple of notable changes today.
>
> I have made the TVScale command completely obsolete
> by moving all the unique TVScale functionality over
> to TVImage. This means you can scale images on the
> fly with TVImage using the "normal" scaling keywords:
> MinValue, MaxValue, Bottom, Top, and NColors.
>
> I particularly like the N_COLORS and BOTTOM keywords
> together, because you can immediately scale image
> data into, say, 12 colors like this:
>
> IDL> LoadCT, 33, NColors=12, Bottom=1
> IDL> TVImage, image, NColors=12, Bottom=1
>
> Pretty neat. :-)
>
> There is also a conflict in IDL 8 with the old IDL
> ARROW program, which is still in the IDL lib directory.
> This conflicts with the ARROW function, which is in
> the lib/graphics directory. If you want to use the
> *old* ARROW program, you need to name it something

> else. Since I was renaming it, and since I wanted to
> add additional functionality to it, including making
> it machine and color mode independent, I just decided
> to do it right, so I've named this FSC_Arrow and put
> it in the Coyote Library.
>
> Finally, I have replaced ZPLOT and ZIMAGE, which provide
> interactive zooming into line plots and images,
> respectively, with FSC_ZPlot and FSC_ZImage. These new
> programs are device and color independent, and
> FSC_ZImage now works with both 2D and True-Color images.
> Plus, it works correctly with images that are very, very
> large and wouldn't fit on your display.
>
> I've made other small changes to the new FSC_*** series
> of programs to make sure color variables don't change
> data type as a result of program manipulation.
>
> I appreciate the feedback from people who are using these
> programs. They are getting pretty darn good, if I do say
> so myself. :-)
>
> 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.")
