

---

Subject: Re: Notable Coyote Program Updates  
Posted by [Jianbao](#) on Wed, 24 Nov 2010 18:59:47 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Nov 23, 8:41 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 NCOLORS 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.")

As a person who has been using the Coyote library for years, I wanna express my sincere gratefulness to you, Dr. Fanning, for all your hard work. I am sure it will help people like me a lot. Happy thanksgiving!

---