
Subject: Updates to Popular Coyote Library Programs
Posted by [David Fanning](#) on Wed, 01 Oct 2008 19:17:42 GMT
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Folks,

I've been working on an IDL application to read, display, and manipulate images available on the National Snow and Ice Data Center (NSIDC) web page. My plan is to demo this IDL Virtual Machine application at the big AGU meeting in San Francisco in December. I hope some of you can stop by the booth to see it and say hello. It is always, well, *illuminating* to see in person someone you only know via e-mail and newsgroup chatter. :-)

To this end, I have been adding functionality (and, alas, fixing bugs) to reasonably popular Coyote Library programs. I have put up some new programs today you might be interested in downloading.

XCOLORS: I have added the ability to switch from IDL colors to Brewer colors, and visa versa. This button appears only if you have the Brewer color file `fsc_brewer.tbl` somewhere in your IDL distribution.

<http://www.dfanning.com/programs/xcolors.pro>

XSTRETCH: I have added the ability to restore the original stretch to your image at any time while you are playing with the image. You can find this functionality under the Controls menu.

<http://www.dfanning.com/programs/xstretch.zip>

FSC_INPUTFIELD: In chasing down a bug in XSTRETCH, I found the bug in FSC_Inputfield. (So download this program, too, if you get a new XStretch.) The problem was when the field value was a BYTE instead of an INT.

http://www.dfanning.com/programs/fsc_inputfield.pro

FSC_PSCONFIG__DEFINE: This is not a bug fix, but I have sharpened up the interface a bit so that it looks more modern. (I have an article planned on how I did this, but the bottom line is that I stole the idea from some of the super-sharp programmers at ITTVIS.) Most people don't use this program directly, but rather they access it via PSCONFIG.

http://www.dfanning.com/programs/fsc_psconfig__define.pro

As always, let me know if you find bugs or have ideas for improving these programs. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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