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.")