

Folks,

As you know, the traditional IDL surface command, SURFACE, is pretty lame. Even when it is fancied up in a modern skin, as in FSC\_SURF, it can't overcome all its deficiencies. And, in particular, SURFACE isn't a true 3D command, since the surface can't be rotated independently around all three axes.

The SURFACE command isn't useless, however, and it is still indispensable for combining surfaces with other graphics for those who don't yet have IDL 8.

Nevertheless, most of the time when I want to look at a surface I use FSC\_SURFACE to do so. But after working on FSC\_SURF last week, FSC\_SURFACE seemed pretty dowdy itself. (I think I wrote it originally in 1996.)

All this to say that I used the time between the football and the turkey to completely re-write FSC\_SURFACE with the intention of creating a non-traditional "traditional" surface command. That is to say, a command that works like the traditional SURFACE command, using the same keywords, etc., whenever possible, but creating a command with additional functionality and interactivity. I'm pretty happy with the result.

You can play with it to see what you think, but it does the basic things really well, and it has a few bells and whistles that I think set it apart. For example, the surface is lighted with four different light sources, and you can easily control the color and intensity (or turn them off if you want) of each of the lights to achieve different surface effects.

Another feature I like is the ability to add any 2D or true-color image as a texture map to the surface with the TEXTURE\_IMAGE keyword.

You can find the new FSC\_SURFACE program here:

[http://www.dfanning.com/programs/fsc\\_surface.pro](http://www.dfanning.com/programs/fsc_surface.pro)

Naturally, it requires other programs from the Coyote Library, and

these have \*all\* been undergoing a recent refurbishing, so get the latest! :-)

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

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.")

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