Subject: Using OOB Colors with Filled Contour Plots
Posted by David Fanning on Fri, 20 Apr 2012 18:16:49 GMT

Folks,

Several months ago I introduced the notion of out-of-bounds
colors into cgColorbar. These can be set with the OOB_LOW
and OOB_HIGH keywords.

Since then several people (including me!) have been
confused over how to use the out-of-bounds colors with
filled contour plots. I had a reason to have another
go at this problem today, and I have written an article
that I hope will shed some light on this difficult
topic.

The problem really is a fundamental one of how the IDL
Contour command decides which contour "level" to color.
You have to do a few fancy dance steps to work around
this problem and get consistent results with both the
FILL and CELL_FILL keywords.

I think the article will make it easier for people to
set up these results in a more consistent way. You
can find the article here:

   http://www.idlcoyote.com/cg_tips/oobcontour.php

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")