Subject: iTools problem with setting isotropic in 8.0
Posted by Erik Rasmussen on Sat, 07 Aug 2010 18:30:24 GMT

It seems that something changed between 7.1 and 8.0 that is not
allowing a visualization to be isotropic in iTools.

My IDLitVisualization instance has /ISOTROPIC set, and this should
force the entire view hierarchy to be isotropic. It does not.

Further, in the IDLITSYS_CREATETOOL function I have tried using no
SCALE_ISOTROPIC keyword, which should default to zero for that
variable, which should honor the /ISOTROPIC request in my
visualization. I have also tried SCALE_ISOTROPIC=1, which should
force isotropic scaling in any situation, and I have tried
SCALE_ISOTROPIC=2, ANISOTROPIC_SCALE_3D = 1.0, which should trick the
iTool into isotropic scaling. None of these worked.

Gosh I would hate to have to do a kludge like a transparent cube to
trick IDL into thinking the Z range is the full range of the gridded
data, instead of the spatial range of only the isosurface being
plotted.

Hopefully this is me being bone-headed. If I figure this out in the
near-term, I will 'fess up and explain the error.

Anyone else notice this behavior or have any advice?

Thanks.
Erik