
Subject: Re: 3-D (stereo) visualization

Posted by [Michael Galloy](#) on Sun, 28 Feb 2010 22:47:15 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 2/28/10 1:03 pm, Kenneth P. Bowman wrote:

- > My students and I have an iTools-based visualization tool that is
- > primarily used to display surfaces in 3-D atmospheric volumes.
- > An example can be seen on my profile page
- >
- > <http://atmo.tamu.edu/profile/KBowman>
- >
- > The iTools are useful in this case due to their ability to easily rotate
- > and zoom interactively.
- >
- > I have been asked whether it is possible to make this into a 3-D stereo
- > application (i.e., with funny glasses and all).
- >
- > Can anyone tell me whether this is possible in IDL?
- >
- > This is something that I have been hoping for for years, but have
- > never heard of this ability. Since IDL bills itself as a premier
- > visualization environment, I hope this is possible. I realize that
- > special hardware is probably necessary.

I have classes to do red-cyan anaglyphs in object graphics, but have never integrated this into the iTools (I don't know if there are any hooks to allow the specification of the object graphics destination for an IDLitWindow):

<http://michaelgalloy.com/2006/06/16/anaglyphs-mggr3dconvert-r-and-mggrwindow3d.html>

I also have some classes to do 3-dimensional display on Alioscopy's autostereoscopic displays (see <http://www.alioscopy.com/>). This requires special hardware, i.e., a \$5000+ monitor from Alioscopy (but no special glasses required).

Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation
