Subject: Re: How to export programmatically a volume with IVOLUME to images
Posted by Kenneth P. Bowman on Tue, 20 May 2008 12:38:11 GMT

In article
<d088ae51-68be-4983-b361-666923cef317@8g2000hse.googlegroups.com>,
 "yingjie, Peng" <yingjiepeng@yahoo.com> wrote:

> Dear all,
>
> I would like to make a short animation of my rotating volume data. I
> think this could be done by rotating the volume a small angle each
> time  and export corresponding image and then put the images sequence
> together. One can use XVOLUME, XVOLUME_ROTATE and XVOLUME_WRITE_IMAGE
> to get this job done easily, however iVOLUME offers more possible
> choices of configurations, which I prefer to.
>
> I already figured out how to rotate the ivolume object
> programmatically by:
> idTool = itgetcurrent(TOOL=oTool)
> temp = oTool->FindIdentifiers('*DATA SPACE',/VISUALIZATIONS)
> idDataSpace = temp[0]
> oDataSpace = oTool->GetByIdentifier(idDataSpace)
> oDataSpace->GetProperty, PARENT=oDataSpaceRoot
> oDataSpaceRoot->Rotate, [0,0,1], 20
> oTool->RefreshCurrentWindow
>


> ivolume menu and then I have to do this hundreds of times to make a
> animation  :(
> I found David had some similar explanations here:
> http://www.dfanning.com/itool_tips/newdata.html

>
> I am not experienced at all with iTools Object Classes and any
> suggestions or clues would be greatly appreciated.
>
> with best regards,
> Yingjie

You can download my IDL library (bowman_lib.zip) from here

   http://idl.tamu.edu/Downloads.html

It contains routines to do what you want.

Ken Bowman