
Subject: How to export programmatically a volume with IVOLUME to images

Posted by [yingjie, Peng](#) on Mon, 19 May 2008 23:24:26 GMT

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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
```

But after hours' attempt, I still do not know how to export the image from the ivolume. Of course I can choose "export" to file from the 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

but it seems to me this will only work with ilimage...

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

with best regards,
Yingjie
