
Subject: IDLgrVolume, PickVoxel, HELP!!!
Posted by [lyubo](#) on Thu, 17 Feb 2005 16:25:00 GMT
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Hi All,

I create a mip volume (IDLgrVolume with Composite_Function=1) and use the PickVoxel function
to pick a position in that volume with the following code:

```
(*pState).oVolume =  
Obj_New('IDLgrVolume',*(*pState).vol[1].image,Composite_Func tion=1,$  
ZBuffer=1,Render_Step=[1,1,1],Hints=3,UValue='3dOvr',TWO_SID ED=1)
```

Then I add the volume to my model :

```
(*pState).oModel[0,2]->Add, (*pState).oVolume
```

and I use the PickVoxel method to read in a position in the volume.
Everything works fine so far.

However, if I scale the model:

```
(*pState).oModel[0,2]->Scale,  
(*pState).voxSize[0,1],(*pState).voxSize[1,1],(*pState).voxS ize[2,1]
```

I can not pick the correct volume position (with PickVoxel) any more.

I am guessing that when I scale the model, the ZBuffer does not get scaled. Is this the reason why I
am not able to get the correct position? If not what is the problem and
how can I get around this?
I have to be able to scale the volume and still read in the correct volume
position.

And something else that I have encountered. The PickVoxel method will not
take a Path keyword. Why?

```
Result = Obj->[IDLgrVolume:]PickVoxel ( Win, View, Point [,  
PATH=objref(s)] )
```

I would appreciate any help.

Thank you,

Lyubo
