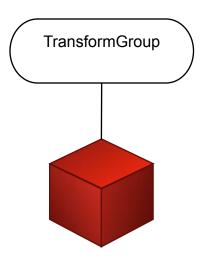
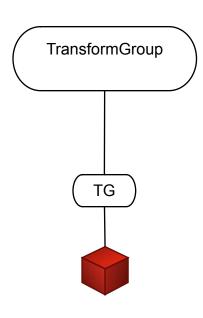
What a typical SimplePortrayal3D.getModel() returns



Passed to you via getModel(...), or if null, you have to make one. Owned by the parent (typically a FieldPortrayal3D, or a wrapper like TransformedPortrayal3D or CircledPortrayal3d or LabelledPortrayal3D) and used to translate the SimplePortrayal3D as necessary — don't fool with it except to hang stuff off of it.

The scenegraph which represents your object. Your SimplePortrayal3D can make it anything appropriate. Make it pickable if you want the object inspectable by the user — try SimplePortrayal3D.setPickableFlags()

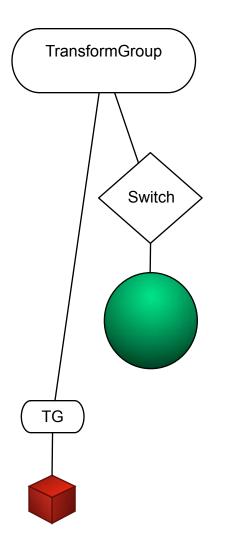
What TransformedPortrayal.getModel() returns



As usual, this transform group shouldn't be played with — it's for the parent's use at its discretion.

The TransformedPortrayal3D uses the underlying SimplePortrayal3D's transform group to transform the model as appropriate.

What CircledPortrayal3D.getModel() returns



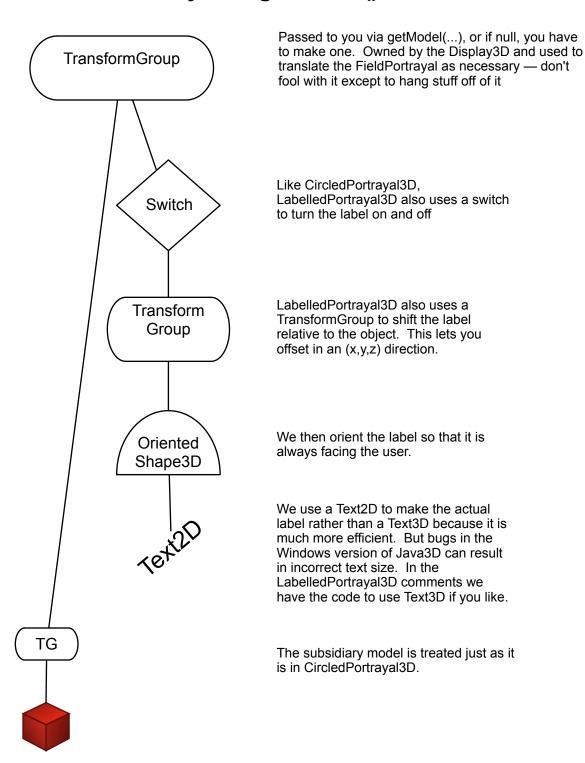
Passed to you via getModel(...), or if null, you have to make one. Owned by the Display3D and used to translate the FieldPortrayal as necessary — don't fool with it except to hang stuff off of it

When a CircledPortrayal2D provides its model, it provides a TransformGroup on which it has hung a Switch and a semitransparent Sphere3D. The Switch turns the Sphere3D on and off.

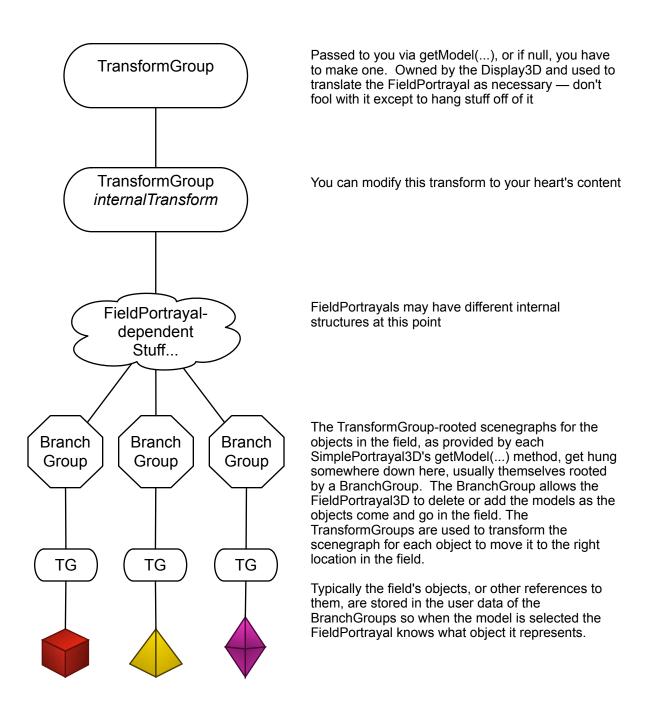
Here's the Sphere3D.

The CircledPortrayal2D also hangs off of its TransformGroup the model provided by the SimplePortrayal3D you had given it. The subsidiary TransformGroup is not modified.

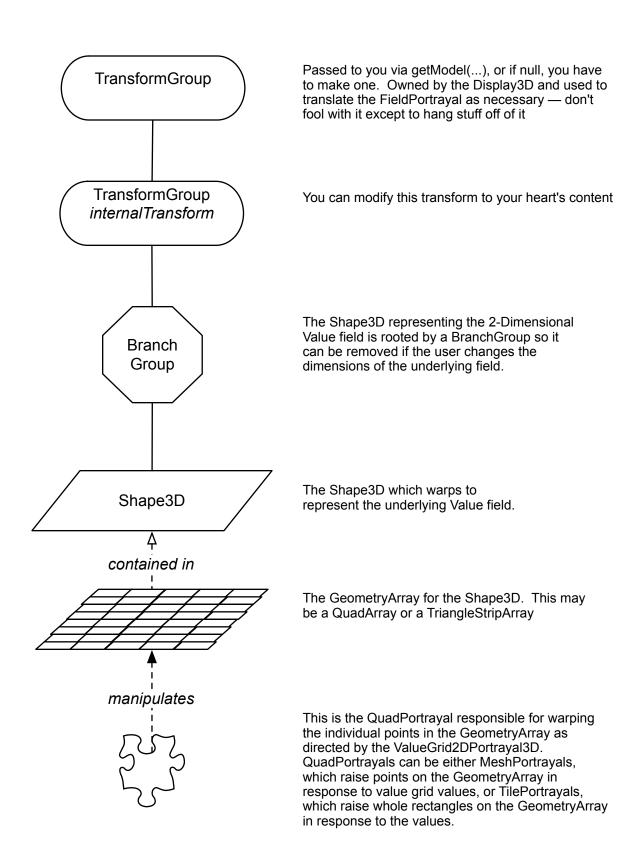
What LabelledPortrayal3D.getModel() returns



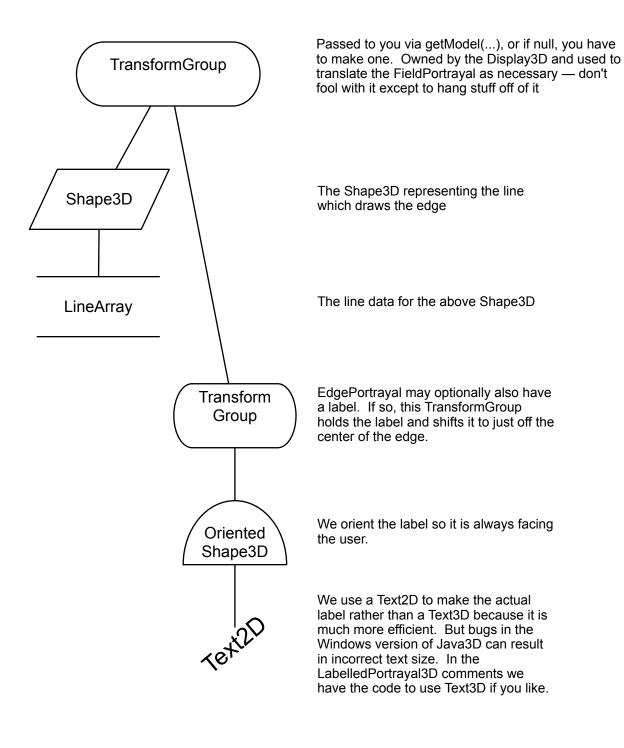
What a typical FieldPortrayal3D.getModel() returns



What ValueGrid2DPortrayal3D.getModel() returns



What EdgePortrayal3D.getModel() returns



Public scenegraph members of Display3D's CapturingCanvas3D

