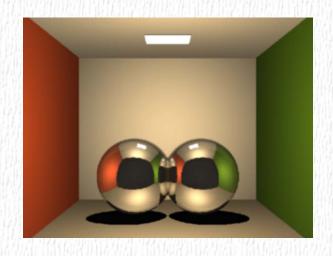
Lab 4

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http://graphics.cs.aueb.gr/graphics/people.html

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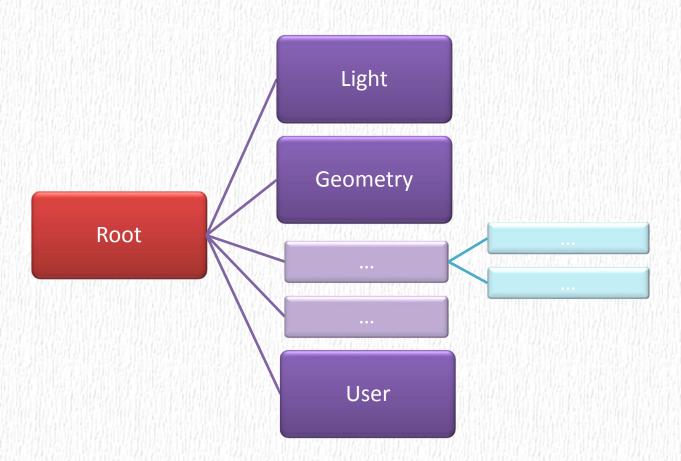
Introduction

- Scene Management
- Object Loader

Scene graph

- Stores logical relationship of elements
- Good for hierarchical transformations
- Can also read from an external file (e.g. XML)
- Nodes, group nodes, etc.

Scene graph



OBJ Loader

- File format for storing 3D models
- Supports materials and textures
- http://en.wikipedia.org/wiki/Wavefront_.obj_file

```
Example (loading):

OBJLoader* objLoader = new OBJLoader();

OGLMesh* oglMesh =

objLoader->loadMesh("mymesh.obj", "data_path");

Example (rendering):

Call the Draw function in the GeometryNode
```

OBJ Loader

 Treasure.obj mtllib treasure.mtl # object Box03 g Box03 v -11.6719 0.0226 -5.8775 v 12.3849 0.0226 8.1792 v -11.6719 0.0226 8.1792 v -11.6719 10.2113 8.1792

OBJ Loader

 Treasure.mtl newmtl 7 Default Ka 0 0 0 Kd 1 1 1 Ks 0 0 0 Ns 10 map_Kd chest.tga map_kA chest.tga

Done!

Check lab4 project