CSC 240
Computer Graphics

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Fall 2016
Smith College
Outline: 11/7

- Homework 5 demos
- Hierarchical Modeling
- Handout 5 last problem, fov problem
- Lab 8

- **HW 6**: due tomorrow Nov 8
- Midterms back Wednesday
- **Office Hours**: Mon/Tues 4-5pm
  - can also come Thurs 4-5pm
Homework 5 examples

ANJALI

VAL

Li

Ch
Homework 5 examples

Mel

PERLA
Homework 5 examples

Ji Won

BezierCubicCircle $\pi/3$

BezierCubicCircle $\pi/8$

BezierCubicCircle $\pi/6$

BezierQuadCircle

Kathleen
Hierarchical Models
Why Group?

- Scene Organization
Why Group?

- Scene Organization
Why Group?

- Scene Organization

- Room
- Floor
- Plane
- Table
- Bowl
- Sphere
- Sphere
- Box
- Box
- Box
- Chair
bowl = group()
bowl.addObject(Sphere(...))
bowl.addObject(Sphere(...))

`table = group()`
`table.addTransform(Translate(-2,0,0))`
table.addObject(bowl)
table.addObject(Box(...))
table.addObject(Box(...))
table.addObject(Box(...))

chair = group()
chair.addTransform(RotateZ(45))
...

`room = group()`
room.addObject(bowl)
room.addObject(table)
room.addObject(chair)
room.addObject(Plane(...))
Useful for animation