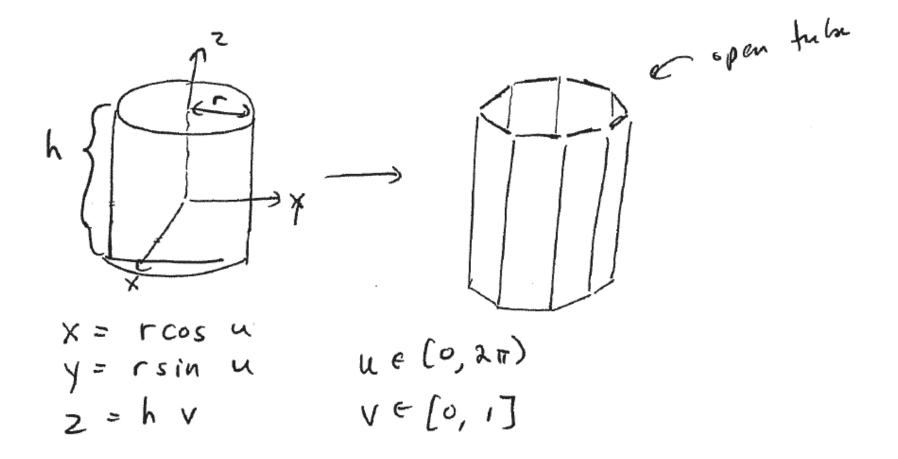
CS 428: Fall 2009

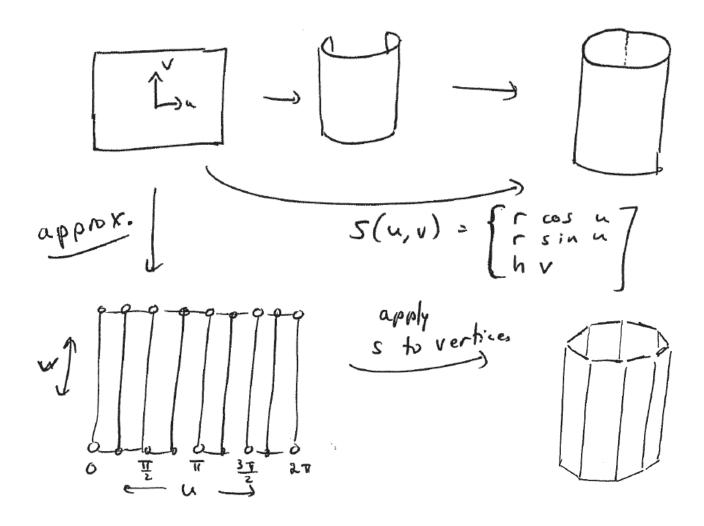
Introduction to Computer Graphics

Polygonal meshes (continued)

Tessellation

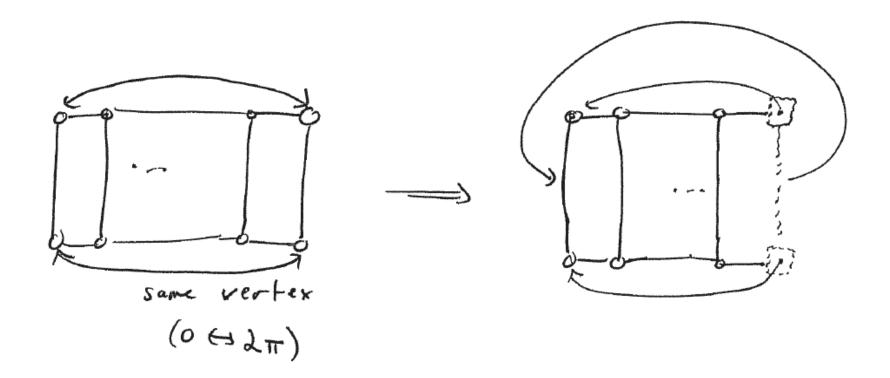


Tessellation



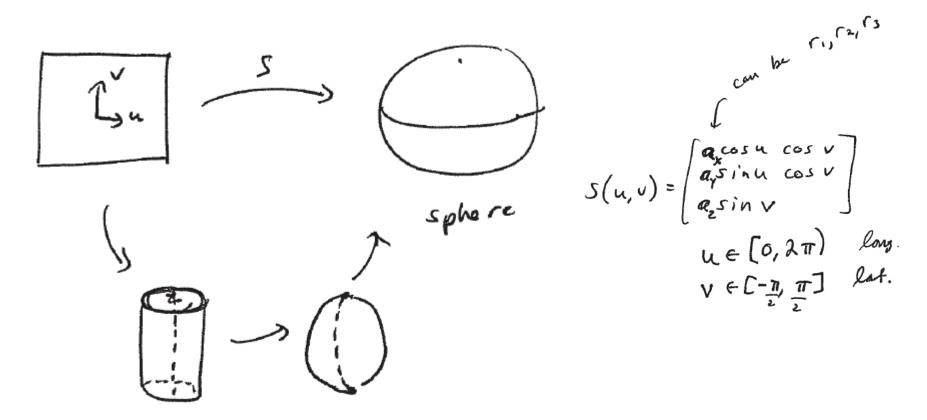
Tessellation

What about the seam?



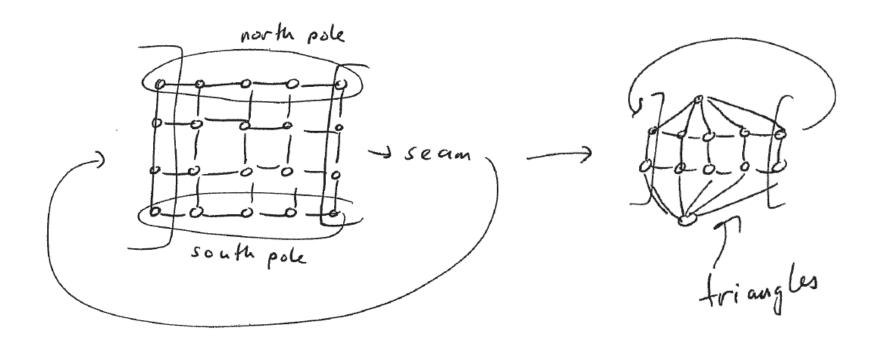
Tessellation

This can get much more complicated



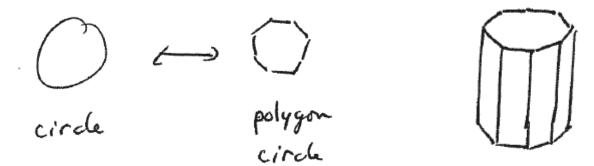
Tessellation

This can get much more complicated

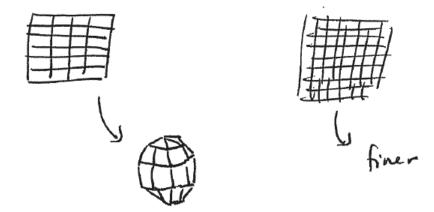


Tessellation resolution

How many points to use?

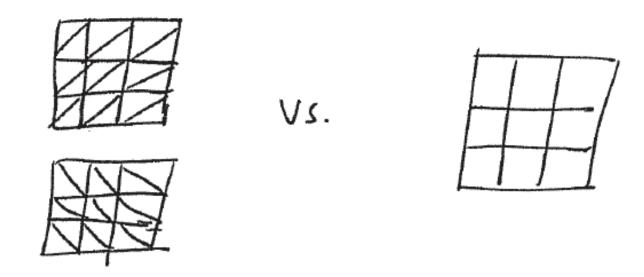


■ How many faces → how fine is the uv grid



Tessellation resolution

Triangles vs. quadrilaterals



- Triangles always planar
- Some triangles collapse in sphere
- Not always planar
- Sometimes better for surface modeling

Next time...

- On Wednesday (10/7)
 - polygon illumination
 - Local lighting models
 - Empirical shading models
 - Project 2 will be available online (due 10/28)