Computer Graphics



Lecture 4 (LIVE)

Triangle Meshes: Surface Normals

Announcements

- Friday's class: again watch video(s) ahead, work on Problems in class.
- HW0 due Friday
- A0 code due Monday; artifact due Tuesday

Goals

- Know how to find out whether a 2D point is inside a given triangle.
- Understand the advantages and disadvantages of modeling objects using triangle meshes.
- Know how contiguous meshes of triangles can be represented using separate triangle sets, indexed triangle sets, triangle strips, and triangle fans.

Problems

- Create an OBJ file for the pyramid with geometry (1) and normals (2).
- (3) Find the normal of a triangle
- If time allows, complete L03 Problems 3-4 (model the kite with a triangle strip and fan).

Submission Logistics

- **One** group member will submit two files to the L04 Problems assignment on Canvas:
 - **1.** Your OBJ file (with both geometry and normals)
 - **2.** A scan/photo of your solution set, including the names of the people in your group and your solution to #3.

L03 Problems 3-4

