

Computer Science 805

Spring 2002

Midterm Presentation

Due: Tuesday, 4/2/2002

Overview

For this assignment, you will read two or three technical papers, write a brief report highlighting the main ideas of each, and give a short in-class presentation.

Description

Perform the following steps in completing this assignment:

- o Choose two or three technical papers to read. The papers should cover related or complementary topics. You may choose a topic which is interesting to you, but it should relate to computer graphics modeling in some way.

Here are some possibilities:

- caustics
- volume rendering
- radiosity
- advanced geometric modeling (e.g., soft objects)
- procedural modeling (e.g., trees and plants)
- procedural animation (e.g., water, cloth)
- photon mapping
- special topics in ray tracing

Other topics are possible (and encouraged), but must be approved first.

There are many sources you can use to find papers. In addition to the sources listed below, you can use web-based resources to assist you in finding a topic and information.

- *IEEE Computer Graphics and Applications* journal
- *SIGGRAPH* conference proceedings
- *Graphics Interface* conference proceedings
- *Eurographics* conference proceedings
- *ACM Transactions on Graphics* journal
- *Computer Graphics* journal

- o Write a 5 to 7 page report that gives a brief overview of the papers. Include full references for each of the papers and any figures or diagrams which will help explain the approach or techniques involved. Please include a title page and present the information in a neat and organized manner.

- o Prepare a presentation to give in-class that lasts no more than 15 minutes. You can create the presentation in PowerPoint or in html. Don't try to give too much detail, but provide enough so that the class will get a general idea of what's being done and how. Nice images will enhance your presentation.

Submission Requirements

You should turn in the following:

- professional-quality report
- copies of your papers

You will be graded on the quality of your report and your in-class presentation.