

CSCI-4961/6961: 3D Computer Graphics
Class 26: November 30, 2006
Collision Detection

Announcements

- Project 4 is due by 11:59:59pm on Monday, December 4. Please see particle system links off the Project 4 web page.
- The Final Exam is on Thursday, December 7 at 9:00am–noon.

Today's Class

Today we look at *collision detection* and *distance computation*.

1. Collision detection
2. Two phase approach
3. Bounding volumes and hierarchical methods
4. Incremental methods

Reading

Collision and Proximity Queries, by Ming Lin and Dinesh Manocha, from the *Handbook of Discrete and Computational Geometry: Collision detection*, second edition, 2004.

Next Class

Course and final exam review.