

# CMPE535

TAKE HOME FINAL EXAM | DUE 11.06.2005

For this Take-Home Final Exam you will come up with examples that will mathematically illustrate some of the concepts we have discussed. Your examples should clearly show the mathematical formulas required as well as all the computational steps when they are in use. You can use the simplest possible geometry that is sufficient to show the concept.

- 1 Example for how Hemicube Approximation works for computing Form Factors.
- 2 Example for 2 Stage Texture Mapping. (Use Cylinder as intermediate obj.)
- 3 2D Example to show how Bump Mapping Works.
- 4 Example to show that Euler Angle Interpolation fails but Quaternion Interpolation works in Orientation Parameterisation.