

2008 Paper 9 Question 7

Advanced Graphics

- (a) Explain how to simulate a physical system consisting of point masses and springs using the Euler method. [5 marks]
- (b) Explain the problems exhibited by the Euler method and describe an alternative that gives a better solution. [5 marks]
- (c) State and explain the radiosity equation. [4 marks]
- (d) Compare and contrast the following ways of solving the radiosity equation: matrix inversion, gathering, shooting. [6 marks]