

## Homework Assignment for Week 09

Assigned Nov 12, 2010.

1. Section 3.3: Problems 3, 11.

Hint for problem 3: read problem 12.

2. Modify your implemented algorithm 3.2 from last week to be an implementation of algorithm 3.3. Again, it is important that you test your code. For example, try to interpolate a few polynomials of degree  $2n + 1$  or less and compare with the exact solution.

Keep both your implemented algorithm 3.2 and 3.3 for use in next week. Next week's programming will be more time consuming. You should start early on this problem.

3. Section 3.4: Problems 12, 13, 14, 20, 26, 27.