Introduction to Numerical Analysis: Week 6

This weeks content will be slightly adapted to the circumstances. First of all I am very sorry that I am not able to continue with annotations on the slides due to limitations in movement of my right hand caused by a recent operation of my fractured collarbone. I did, however, get back permission for typing with both hands so the live programming is back! Secondly, I have reduced the syllabus slightly, letting Divided Differences become cursory reading due to the extra workload imposed on you by the compulsory exercise. For the same reason, there will be no implementation exercises relating to this week since you will be working extensively with implementations already on your project/compulsory exercise.

The compulsory exercise is ment to run from monday to friday only, but for your convenience we will publish it sometimes between friday and saturday in week 5 (Oct. 2-3)

- Textbook : Chapter 6.0, 6.1(up to and including p.315) and 6.2. Divided differences is read cursory, and slides provided.

- Problem Solving: 6.1.1 (Solve enough to make you feel comfortable with the method), 6.1.13 and 6.1.22

- Optional: Play with the interpolation programme for different functions, different number of interpolation points and different spreading of the interpolation points.