Session 9, March 21, 2011, 12:30–16:15

Program

1. 12:30–14:00 in G5-112. I will complete the proof of the implicit function theorem, Theorem 17.6 in [PF]. I will also give some examples of applications, and in particular explain the method of implicit differentiation.

2. 14:00–16:15 in groups. See the list of exercises below. Note that there is extra time for solving problems today.

Exercises Solve the exercises in the order posed.

1. Go through the examples in section 17.1 of [PF].

2. Section 16.3, Exercises 1, 2, 5, 7.

3. Exam June 2005, Opgave 2.

4. Trial Exam May 2004, Opgave 3.

5. Re-Exam August 2007, Opgave 4.

Arne Jensen