

Homework 12

Math 469 (section 500), Spring 2016

This homework is due on Thursday, April 14.

1. In several sentences, describe the main message of Tuesday's lecture (April 5).
2. In several sentences, describe the main message of Thursday's lecture (April 7).
3. Propose a homework problem arising from the topics covered in lecture this week. Solve it.
4. (This part of your homework pertains to your final project) *You may write this together with your project partner.*
 - (a) Review the comments you received on the draft of your final paper.
 - (b) Revise your draft, so that it takes into consideration all comments you received, and also does all of the following:
 - (a) describe the scientific/mathematical background,
 - (b) state the main scientific/mathematical questions addressed in the paper,
 - (c) describe the authors' objectives and what they do to achieve them,
 - (d) state at least one main mathematical result (together with all necessary definitions) – *this is a statement, not a description,*
 - (e) interpret the significance of the result in terms of the authors' objectives, and
 - (f) explain the scientific/mathematical conclusions the authors reached.

(Your final paper must, additionally, extend the results in the paper and/or critique some scientific or mathematical aspect of the paper. Your current draft may or may not include this now.) *Please print $n + 1$ copies of your draft, if you are a team of n students. Do not staple this to the rest of your homework. As part of Homework 13, each student, plus the instructor or grader, will critique another student's draft.*