

Exercises for Theory and Numerics of Partial Differential Equations

<http://www.math.uni-konstanz.de/numerik/personen/mechelli/teaching.html>

Programming guidelines

The following guidelines are mandatory for all programming exercises:

- Programming exercises can (and should) be solved in teams of two persons who both have the same tutor. If the number of people in a tutor group is odd, an exception can be made for a team of three.
- Each group member has to be able to explain and present the program and its results during the exercise classes.
- All programs have to be well-documented in English by use of the `%` character. In particular, this means:
 - The main scripts have to contain the names and email addresses of all team members.
 - Every `function` has to contain explanations about its in- and output variables.
 - The program should be logically split by use of the `%%` syntax.
- Each script file should start with the commands `clear all`¹, `close all` and `clc`.
- In general, only running programs are considered for grading.
- Programs have to be sent to the e-mail address specified by the tutor before the deadline reported on the exercise sheet and the above url². In case of multiple files, these have to be compressed in an archive.
- For some programs, you will need additional files that can be downloaded under the above url. The according files will always be specified on the exercise sheet.
- **When specified**, you are required to write a report about your results. Note that this is **not** supposed to be an additional documentation/explanation of how you wrote your code. Instead, the report should focus on the numerical results and their mathematical interpretation. Naturally, the length of a report is dependent on the exercise, but a good guideline are 1-2 pages. Reports should contain plots and therefore have to be written digitally (L^AT_EX, Word, ...).
- An example of programming exercise, codes and report can be downloaded under the above url.

¹This should be done only for Matlab R2015b or higher, for older versions replace `clear all` with `clear variables` and `clear global` to avoid the clearing of debugging breakpoints.

²Apart from exceptions, the deadline coincide with the begin of the Thursday lecture, because also the theory exercises will be collected at that time.