Scientific Computing Lab

Organisation

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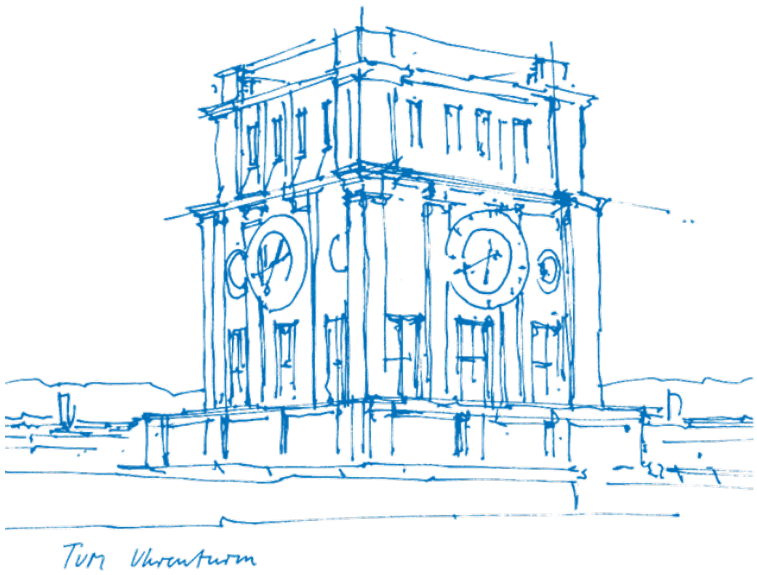

Lecturers:

- Tobias Neckel - neckel@in.tum.de (02.05.055)
- Severin Reiz - reiz@in.tum.de (02.05.058)
- Paul Cristian Sârbu - sarbu@in.tum.de (02.05.053)
- Arash Bakhtiari - bakhtiar@in.tum.de (02.05.057)

Whole lab is done in group work

- groups of 3
- oral examination for the whole group

Course of Action

1. lecture on the theoretical background
2. explanation of the task
3. programming
4. examination
5. `GOTO 1`

Submission

- two weeks time per worksheet
- submission per Moodle (Sundays @midnight, one submission per group)
- oral examiniation (Tuesdays)
- be prepared for questions

5 Worksheets (provisional schedule)

- November 2: Lecture 1
- November 9: Q & A session 1
- November 12: WS 1 code submission
- November 14: WS 1 oral examination

- November 16: Lecture 2
- November 23: Q & A session 2
- November 26: WS 2 code submission
- November 28: WS 2 oral examination

- November 30: Lecture 3
- December 7: Q & A session 3
- December 10: WS 3 code submission
- December 12: WS 3 oral examination

5 worksheets (continue)

- December 14: Lecture 4
- December 21: Q & A session 4
- January 7: WS 4 code submission
- January 9: WS 4 oral examination

- January 11: Lecture 5
- January 18: Q & A session 5
- January 21: WS 5 code submission
- January 23: WS 5 oral examination

Prerequisites

- login and password (Moodle)
- operating system: Linux
- programming language: MATLAB
- helpful knowledge:
  - differential equations
  - linear algebra

Oral examination

- evaluation is **twofold**: group evaluation for code + individual questions
- we look for degree of individual participation and understanding of the submitted code
- questions on WS are meant as topics for **intra-group discussion**; the oral examination will consist of a larger array of items
- there are no grades after each WS; we give feedback if needed (no feedback means ”good”!); no explicit MATLAB solutions provided
- SciCompLab $\neq$ SciComp1Ü
- Moodle is a one-stop-shop (guidelines, questions, worksheets & submission)