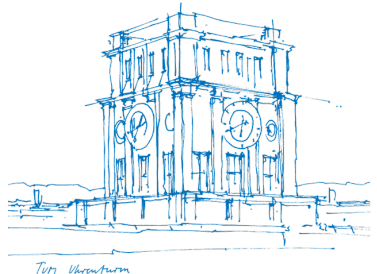# Scientific Computing Lab

Content

Tobias Neckel, Ionuț Farcaș, Paul Cristian Sârbu
Technical University of Munich

02.11.2016

TUM

Tasks

- getting a "feeling" for Scientific Computing

model
⇓
numbers
⇓
pictures

quality?
- accuracy
- costs
- robustness

Content

- discrete processes

- ordinary differential equations

  - initial value problems

- partial differential equations

  - boundary value problems

  - boundary+initial value problems