

Übersicht zu den Übungen

WS 2018

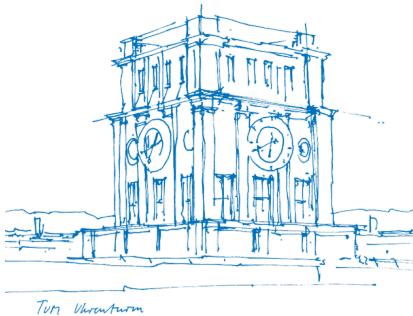
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Fachgebiet für Bioanaloge

Informationsverarbeitung



Technische Universität München



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Nr.	Topic
1	Introduction (FFT)
2	Mathematical Basics 1
3	Mathematical Basics 2 (DGL Solver, Integrate & Fire)
4	The Hodgkin Huxley Model
5	Multicompartment Models
6	Electrical Stimulation
7	Coding Strategy 1
8	Coding Strategy 2

Exercises sometimes build on previous exercises!

- Chose one of the groups until next week
- Programming done in Matlab or Python.
- "Open" Exercise - You can ask questions about any topic.
- Exercise is due to be uploaded on Monday three weeks after the assignment (17 days).
- You can work in teams but everyone has to hand in an individual paper.

- Organisation and uploads via **www.moodle.tum.de**
- Please hand in one PDF.
- This PDF should include all Plots as well as a short description of what one can see in these plots. If there are Additional questions asked, they have to be answered in the document.

We place emphasis on meaningful Plots!

- Every axis has to have a label with units and if necessary a Legend.
- All Labels have to be readable in 100% view of the PDF.
Unreadable text is no text.
- Please think about what you want to show with your plot and select a sensible scaling (intercepts, log scaling?)

Simple scoring scheme:

100 Everything is OK

75 Small mistake (Forgot an axis label ...).

50 Substantial mistake or missing part / unanswered question

25 You at least tried.

0 Nothing handed in.

an average score of 75 is needed to get the bonus on your final mark.

I'm happy to answer question at any time.

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