



Bachelor/Master Project Structural Identifiability



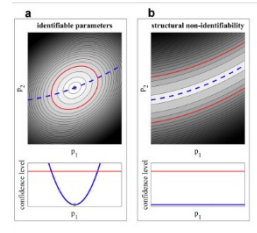
The group

Group of Jens Timmer:
Data Analysis and Modeling of Dynamic Processes in the Life Sciences



Your topic

Assess and implement new methods for structural identifiability analysis



Main papers

[Wieland et. al.](#), *On structural and practical identifiability*, COiSB (2021)
[Joubert et. al.](#), *An efficient procedure to assist in the re-parametrization of structurally unidentifiable models*, Math Biosci (2020)

What you will learn about

Ordinary differential equations (ODEs)

Statistical methodology

Coding in Matlab

Cell signalling pathways

Performance analysis methods

Intersection of math, physics and biology

Expectations

Motivation to learn

Interest in math, statistics and coding

Sense of humor