

Embedded Systems

Important: *When submitting your solutions, please PRINT your full name, and add your matriculation number.*

Problem 1 (Matlab/Stateflow) (100 points)

Do the exercises in **Part II** of Martin Fränzle's tutorial, "*Introduction to Stateflow*". In order to start exercise 3, use the file `frequencycount.mdl`.

Points: exercise 1 (20 points), exercise 2 (20 points), exercise 3 (60 points).

Problem 2 (Matlab/Stateflow) (200 points)

Construct an ignition controller, by following **Part III** of Martin Fränzle's tutorial, "*Introduction to Stateflow*". In order to start this problem, use the file `simple_ignition_2005.mdl`.

Points: Part 1 is worth 100 points (25 points per question). Part 2 is worth 100 points (20 points per question).