ALBERT-LUDWIGS-
UNIVERSITÄT FREIBURG

A. Podelski

S. Bogomolov

Tutorials for Cyber-Physical Systems - Hybrid Models
Exercise sheet 7

Exercise 1: Hybrid automata

Please describe the two classes of transitions of hybrid automata.

Exercise 2: LTL and CTL Formulae

Please give the definition of the equality $\Phi = \Psi$ where Φ is an LTL formula and Ψ is a CTL formula.

Exercise 3: Automata classes

What is the main difference between

  (a) rectangular automata and initialized rectangular automata;

  (b) rectangular automata and singular automata;

  (c) singular automata and stopwatch automata;

  (d) stopwatch automata and timed automata.