



Modeling and Analysis of Hybrid Systems - SS 2015**Series 9****Exercise 1**

What are two reasons we require bloating in the computation of the reachable states?

Exercise 2

Please describe the difference between the two presented approaches towards flowpipe computation.

Exercise 3

Why is the choice of the state set representation crucial?

Exercise 4

What types of state set representations do you know? Please give a short description of each mentioned representation.

Exercise 5

What are the main operations on state set representations we require during the computation of the reachable states? Which one do you think has the most impact on the computational time and why?