# Infinite Abstractions for Time-Dependent Switched Systems

This seminar focuses on:

- Briefly:
  - Classes of switched systems;

  - Stability analysis of switched systems;

  - The principles and the motivation behind using infinite abstractions.


- Mainly;
  - Reviewing some existing works about constructing infinite abstractions of some classes of control systems;

  - Constructing infinite abstractions for a class of discrete-time state-dependent switched linear systems.

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