

Outline

Model checking real-time systems

Themes

- Decidability
- Efficient implementations and data structures
- Application examples

Today

- Hybrid Systems
 - Hybrid automata
 - Model checking hybrid system









Hybrid System Models
Modelling paradigm
sensor (piecewise continuous system)
 Common modeling framework are <i>hybrid automata</i> [ACH+95] Combine a <i>finite state machine</i> for discrete dynamics, <i>flows</i>
(differential equations) for the continuous dynamics and jumps.

































