Overview

Interchange formats are notoriously difficult to finish. hyper addresses this problem for hybrid systems, not from the perspective of a tool interchange format, but rather that of tool availability in a toolbox.

These discoveries give us the foundation upon which to build semantic capabilities, and to work toward operational interaction between tools based on matched operational semantics.

Goals

- A domain-specific, unambiguous way to specify hybrid systems models
- Ability to perform analysis, simulation, controller synthesis, and other algorithms/executions, using proven tools
- Following characteristics
  - High performance simulation
  - High robustness factor
  - High level modeling (with refinement)
  - High number of interacting tools

Publications:


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