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Verification of linear hybrid systems with large discrete state spaces using counterexample-guided abstraction refinement

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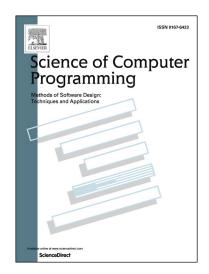
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Highlights

- A counterexample guided abstraction refinement approach for linear hybrid automata with large discrete state space is proposed.
 The approach relies on abstraction algorithms replacing the original state set by state sets of simpler shape.
 We provide benchmark results showing the relative merits of the approach.

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