

Software Model Checking

Patrice Godefroid
Microsoft Research, Redmond, USA

Over the last two decades, significant progress has been made on how to broaden the scope of model checking from finite-state abstractions to actual software implementations. The aim of these lectures is to present a comprehensive overview of the current main approaches to software model checking, by describing the main ideas, techniques and applications in this research area, including connections and combinations with static and dynamic program analysis.

Further Reading: general [8, 5], on dynamic software model checking [1, 4, 3, 6], on may/must abstractions [2], on combining static and dynamic software model checking [7].

References

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