Boolector at the SMT Competition 2011

Armin Biere

Institute for Formal Models and Verification
Johannes Kepler University, Linz, Austria

Abstract. This note serves as system description of our SMT solver Boolector submitted to the SMT Competition 2011.

The version of Boolector [3, 2] submitted to the competition in 2011 did not change much in the core SMT part. It is almost identical to the one entering the SMT competition in 2009.

Beside preliminary support for SMTLIB version 2, it also incorporates various bug fixies, including one which disables unconstrained input optimization. The major change was to use an internal version of our SAT solver Lingeling [1] as single back-end SAT solver for all supported theories (QF_BV and QF_A(UF)BV).

The original version of Boolector was co-developed by Robert Brummayer and Armin Biere at our Institute of Formal Models and Verification and is now extended and maintained by Armin Biere.

References


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Institute for Formal Models and Verification, Johannes Kepler University
Altenbergerstr. 69, 4040 Linz, Austria

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