FBDVerifier: Interactive and Visual Analysis of Counter-example in Formal Verification of Function Block Diagram

Eunkyoung Jee
Div. of Computer Science, Korea Advanced Institute of Science and Technology
Republic of Korea
Email: ekjee@dependable.kaist.ac.kr

Seungjae Jeon
Samsung Electronics Co. Ltd., Republic of Korea
Email: seungjae.jeon@samsung.com

Sungdeok Cha
Dept. of Computer Science and Engineering, Korea University
Republic of Korea
Email: scha@korea.ac.kr

Kwangyong Koh
Dept. of Nuclear and Quantum Engineering, Korea Advanced Institute of Science and Technology,
Republic of Korea
Email: goeric1@kaist.ac.kr

Junbeom Yoo
Div. of Computer Science and Engineering, Konkuk University
Republic of Korea
Email: jbyoo@konkuk.ac.kr

Geeyong Park
I&C and Human Factors Center, Korea Atomic Energy Research Institute
Republic of Korea
Email: gypark@kaeri.re.kr

Poonghyun Seong
Dept. of Nuclear and Quantum Engineering, Korea Advanced Institute of Science and Technology,
Republic of Korea
Email: phseong@kaist.ac.kr

Model checking is often applied to verify safety-critical software implemented in programmable logic controller (PLC) language such as a function block diagram (FBD). Counter-examples generated by a model checker are often too lengthy and complex to analyze. This paper describes the FBDVerifier which allows domain experts to perform automated model checking and intuitive visual analysis of counter-examples without having to know technical details on temporal logic or

1 Current address: Department of Computer and Information Science, University of Pennsylvania, 3330 Walnut Street, Philadelphia PA 19104.

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