1. Record Nr. UNINA9910699396503321

Autore	Kaestle Carl F
Titolo	Adult literacy and education in America [[electronic resource] /] / Carl F. Kaestle ... [and others]
Pubbl/distr/stampa	Washington, DC : , : U.S. Dept. of Education, Office of Educational Research and Improvement, , [2001]
Descrizione fisica	1 online resource (xxx, 256 pages) : illustrations
Soggetti	Literacy - United States Educational surveys - United States Statistics.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF title screen (viewed on Feb. 12, 2010). At head of title: National Center for Education Statistics. "December 2001." "NCES 2001-534."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNINA9910672445403321

Autore	Mahzoon Alireza
Titolo	Formal Verification of Structurally Complex Multipliers / / by Alireza Mahzoon, Daniel Große, Rolf Drechsler
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-24571-7
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xiii, 130 pages) : illustrations
Disciplina	512.0285 515.24330285
Soggetti	Electronic circuits Electronic circuit design Computer science - Mathematics Embedded computer systems Electronic Circuits and Systems Electronics Design and Verification Symbolic and Algebraic Manipulation Embedded Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Background -- Challenges of SCA-based Verification -- Local Vanishing Monomials Removal -- Reverse Engineering -- Dynamic Backward Rewriting -- SCA-based Verifier RevSCA-2.0 -- Debugging -- Conclusion and Outlook.
Sommario/riassunto	This book addresses the challenging tasks of verifying and debugging structurally complex multipliers. In the area of verification, the authors first investigate the challenges of Symbolic Computer Algebra (SCA)-based verification, when it comes to proving the correctness of multipliers. They then describe three techniques to improve and extend SCA: vanishing monomials removal, reverse engineering, and dynamic backward rewriting. This enables readers to verify a wide variety of multipliers, including highly complex and optimized industrial benchmarks. The authors also describe a complete debugging flow, including bug localization and fixing, to find the location of bugs in

structurally complex multipliers and make corrections. Provides extensive introduction to the field of Symbolic Computer Algebra (SCA) and its application to multiplier verification; Discusses the challenges of SCA-based verification when it comes to proving the correctness of structurally complexmultipliers; Describes three techniques to improve and extend SCA for the verification of structurally complex multipliers; Introduces a complete debugging flow to localize and fix bugs in structurally complex multipliers.