

1. Record Nr.	UNINA9910785633303321
Autore	Weinstein Tilla <1934->
Titolo	An introduction to Lorentz surfaces [[electronic resource] /] / by Tilla Weinstein
Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, 1996
ISBN	3-11-082163-X
Edizione	[Reprint 2011]
Descrizione fisica	1 online resource (227 p.)
Collana	De Gruyter Expositions in Mathematics ; ; 22
Classificazione	SK 370
Disciplina	530.1/54
Soggetti	Topology Lorentz groups Generalized spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [201]-204) and index.
Nota di contenuto	Front matter -- Preface -- Table of Contents -- Introduction -- Chapter 1 Null lines on Lorentz surfaces -- Chapter 2 Box surfaces, yardsticks and global properties of Lorentzian metrics -- Chapter 3 Conformal equivalence and the Poincaré index -- Chapter 4 Kulkarni's conformal boundary -- Chapter 5 Using the conformal boundary -- Chapter 6 Conformal invariants on Lorentz surfaces -- Chapter 7 Classical surface theory and harmonically immersed surfaces -- Chapter 8 Conformal realization of Lorentz surfaces in Minkowski 3-space -- Bibliography -- Index

2. Record Nr.	UNINA9910816272703321
Titolo	Software specification methods / / edited by Henri Habrias, Marc Frappier
Pubbl/distr/stampa	London ; ; Newport Beach, CA, : ISTE Ltd, 2006
ISBN	1-280-51062-5 9786610510627 1-84704-484-0 0-470-61251-7 0-470-39465-X 1-84704-584-7
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (446 p.)
Collana	ISTE ; ; v.106
Altri autori (Persone)	HabriasHenri FrappierMarc <1965->
Disciplina	004/.01/51
Soggetti	Formal methods (Computer science) Computer software
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Software Specification Methods; Preface; Contents; List of Contributors; Part I State-Based Approaches; 1 Z; 1.1 Overview of the Z notation; 1.1.1 The process of producing a Z specification; 1.2 Analysis and specification of case 1; 1.3 Analysis and specification of case 2; 1.4 Validation of the specification; 1.5 The natural language description of the specifications; 1.6 Conclusion; 2 SAZ; 2.1 Overview of the SAZ method; 2.2 Analysis and specification of case 1; 2.2.1 Z specification; 2.3 Analysis and specification of case 2; 2.4 Natural language description of the specifications 2.4.1 Case 12.4.2 Case 2; 2.5 Conclusions; 3 B; 3.1 Overview of the B notation; 3.2 Analysis and specification of case 1; 3.2.1 Identifying operations; 3.2.2 Defining the state space; 3.2.3 Defining the behavior of the invoicing operation; 3.2.4 The Product1 machine; 3.3 Analysis and specification of case 2; 3.3.1 Identifying operations; 3.3.2 The Product2 machine; 3.3.3 The Invoicing2 machine; 3.4 Validation of the specification; 3.5 The natural language description of the

specifications; 3.5.1 Case 1; 3.5.2 Case 2; 3.6 Conclusion; 4 From UML Diagrams to B Specifications
4.1 Overview of the method4.1.1 Summaryof the B method; 4.1.2 Data specification; 4.1.3 Transaction specification; 4.2 Specification of case 1; 4.2.1 The class diagram and its B representation; 4.2.2 Transaction specification; 4.3 Specification of case 2; 4.3.1 Transactions specification; 4.3.2 The formal specification; 4.4 Validation; 4.5 The natural-language description of the specifications; 4.5.1 Case 1; 4.5.2 Case 2; 4.6 Conclusion; 5 UML+Z: Augmenting UML with Z; 5.1 Overview of UML+ Z; 5.2 Analysis and Specification of case 1; 5.2.1 UML class model; 5.2.2 UML state models
5.2.3 The Z model5.2.4 Checking model consistency; 5.2.5 Validating the model; 5.3 Analysis and Specification of case 2; 5.3.1 Entries of new orders; 5.3.2 Cancellation of orders; 5.3.3 Entries of quantities into stock; 5.4 Natural language description of the specification; 5.4.1 Case 1; 5.4.2 Case 2; 5.5 Conclusion; 6 ASM; 6.1 Overview of the ASM; 6.2 Requirements capture and Specification of case 1; 6.2.1 Identifying the agents; 6.2.2 Identifying the states; 6.2.3 Identifying static and dynamic parts of the states; 6.2.4 Identifying the transitions
6.2.5 Identifying the initial and final states6.2.6 Exceptions handling and robustness; 6.2.7 Identifying the desired properties (validation/verification); 6.3 Requirements capture and Specification of case 2; 6.4 The natural language description of the specification; 6.4.1 Case 1; 6.4.2 Case 2; 6.5 Conclusion; 7 TLA+; 7.1 Overview of TLA+; 7.1.1 TLA; 7.1.2 TLA+ versus Z; 7.2 A Specification of case 2; 7.3 The problematic case 1; 7.4 Validation of the specification; 7.5 Satisfying the specification; 7.6 The natural language description; 7.7 Conclusion;
Part II Event-Based Approaches
8 Action Systems

Sommario/riassunto

This title provides a clear overview of the main methods, and has a practical focus that allows the reader to apply their knowledge to real-life situations. The following are just some of the techniques covered: UML, Z, TLA+, SAZ, B, OMT, VHDL, Estelle, SDL and LOTOS.
