

1. Record Nr.	UNINA9910813126703321
Titolo	Flood damage survey and assessment : new insights from research and practice // Daniela Molinari, Scira Menoni, Francesco Ballio, editors
Pubbl/distr/stampa	Washington, District of Columbia : , : AGU : , : Wiley, , 2017
ISBN	1-119-21794-6 1-119-21796-2 1-119-21793-8
Descrizione fisica	1 online resource (285 pages) : illustrations (some color)
Collana	Geophysical monograph ; ; 228
Disciplina	363.34/93
Soggetti	Flood damage - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This work is a copublication of the American Geophysical Union and John Wiley and Sons, Inc.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"Several scholars across the globe identified the present lack of high quality damage data as the main constraint to efficient risk mitigation. The need for a systematic collection of damage data in the aftermath of flood events come into light, thus the aim being the creation of complete and reliable databases. Flood damage data collected in the aftermath of a disastrous event can support a variety of actions, which include: (i) the identification of priorities for intervention during emergencies, (ii) the creation of complete event scenarios on the basis of which understanding the fragilities of the flooded areas and tailoring risk mitigation strategies, (iii) the definition of victims compensation schemes, and (iv) the validation/definition of damage models to feed cost-benefit analysis of structural and non-structural mitigation actions (including insurance schemes). Volume highlights include: A good compilation of real world case studies elaborating on the survey experiences and best practices associated with flood damage data collection, storage and analysis, that can help strategize flood risk mitigation in an efficient manner; Valuable contributions covering different flooding phenomena such as riverine and mountain floods, different spatial level of analysis from local to global scales, and different stakeholders perspectives, e.g. public decision makers,

researchers, private companies; and contributions from leading experts in the field, researchers and practitioners, including civil protection actors working at different spatial and administrative level, insurers and professionals working in the field of natural hazards mitigation. Flood Damage Survey and Assessment: New Insights from Research and Practice will be a valuable resource to all earth scientists, hydrologists, meteorologists, geologists, geographers, civil engineers, insurers and policy decision makers"--Publisher's website, November 8, 2017.

2. Record Nr.	UNINA9910983369403321
Autore	Zhang H (Hantao)
Titolo	Logic in Computer Science / / by Hantao Zhang, Jian Zhang
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819798162 9819798167
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (808 pages)
Altri autori (Persone)	ZhangJian
Disciplina	004.0151
Soggetti	Computer science Logic, Symbolic and mathematical Computer science - Mathematics Discrete mathematics Computer Science Logic and Foundations of Programming General Logic Discrete Mathematics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction to Logic -- Part I. Propositional Logic -- Chapter 2. Propositional Logic -- Chapter 3. Reasoning in Propositional Logic -- Chapter 4. Propositional Satisfiability -- Part II. First-Order Logic -- Chapter 5. First-Order Logic -- Chapter 6. Unification and Resolution -- Chapter 7. First-Order Logic with Equality -- Part III. Logic in Programming -- Chapter 8. Prolog: Programming in Logic -- Chapter 9. Hoare Logic -- Chapter 10. Temporal Logic -- Part IV. Logic

Sommario/riassunto

Mathematical logic is an important basis for mathematics, computer science and artificial intelligence alike. This book provides a comprehensive introduction to various logics, including classical propositional logic and first-order predicate logic, as well as equational logic, temporal logic, and Hoare logic. In addition, it presents proof procedures for classical logics and decision procedures for checking the satisfiability of logical formulas. The book assumes no background in logic. It presents logics as practical tools for solving various problems in artificial intelligence and formal verification. Accordingly, it is well suited for (junior and senior) undergraduate and graduate students majoring in computer science or mathematics. Each chapter includes roughly a dozen exercise problems, so as to help the reader understand the concepts and techniques discussed.
