

1. Record Nr.	UNINA9910789343803321
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Titolo	The Temporal Logic of Reactive and Concurrent Systems [[electronic resource]] : Specification / / by Zohar Manna, Amir Pnueli
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 1992
ISBN	1-4612-0931-5
Edizione	[1st ed. 1992.]
Descrizione fisica	1 online resource (XIV, 427 p.)
Disciplina	004.6
Soggetti	Special purpose computers Computer communication systems Computer logic Special Purpose and Application-Based Systems Computer Communication Networks Logics and Meanings of Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	I: Models of Concurrency -- 1: Basic Models -- 2: Modeling Real Concurrency -- II: Specifications -- 3: Temporal Logic -- 4: Properties of Programs -- References -- Index to Symbols -- General Index.
Sommario/riassunto	Reactive systems are computing systems which are interactive, such as real-time systems, operating systems, concurrent systems, control systems, etc. They are among the most difficult computing systems to program. Temporal logic is a formal tool/language which yields excellent results in specifying reactive systems. This volume, the first of two, subtitled Specification, has a self-contained introduction to temporal logic and, more important, an introduction to the computational model for reactive programs, developed by Zohar Manna and Amir Pnueli of Stanford University and the Weizmann Institute of Science, Israel, respectively.