

1. Record Nr.	UNINA9910961409703321
Titolo	Proceedings of the 11th Asian Logic Conference : in honor of Professor Chong Chitat on his 60th birthday, National University of Singapore, Singapore, 22-27 June 2009 // edited by Toshiyasu Arai ... [et al.]
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, c2012
ISBN	9786613433961 9781283433969 1283433966 9789814360548 9814360546
Edizione	[1st ed.]
Descrizione fisica	1 online resource (192 p.)
Altri autori (Persone)	ChongC.-T <1949-> (Chi-Tat) AraiToshiyasu
Disciplina	511.3
Soggetti	Logic, Symbolic and mathematical
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	Preface; Organizing Committees; CONTENTS; Provably Π_2 and Weakly Descending Chains T. Arai; 1. Introduction; 2. Provably Σ_1 in; 2.1. Infinitary derivations; 2.2. Searching witnesses of Σ_1 in derivations; 2.3. Provably Σ_1 -functions; 3. Provably Σ_1 in EA; A. Nested limit existence rules; References; Amalgamation, Absoluteness, and Categoricity J. Baldwin; 1. The Universe is Wide or Deep; 2. Abstract Elementary Classes; 3. From L_{ω_1} to First Order; 4. The Conjecture for L ; 5. Absoluteness of Properties of Atomic Classes; 6. Complexity; 7. Conclusion 8. Appendix: Basic definability notions for L_{ω_1} by David MarkerReferences; K-Trivials are Never Continuously Random G. Barmpalias, N. Greenberg, A. Montalbán and T. Slaman; 1. Introduction; 1.1. Randomness relative to continuous measures; 1.2. K-triviality; 1.3. Our results; 2. K-trivial sets and NCR; Action of requirement R_n ; 3. Incomplete r.e. degrees and NCR; References; Limitwise Monotonic Functions and Their Applications R. Downey, A. Kach and D. Turetsky; 1. Introduction; 2. Limitwise Monotonic Functions and Sets; 3.

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Sommario/riassunto

The Asian Logic Conference is part of the series of logic conferences inaugurated in Singapore in 1981. It is normally held every three years and rotates among countries in the Asia-Pacific region. The 11th Asian Logic Conference was held at the National University of Singapore, in honor of Professor Chong Chitao on the occasion of his 60th birthday. The conference is on the broad area of logic, including theoretical computer science. It is considered a major event in this field and is regularly sponsored by the Association of Symbolic Logic. This volume contains papers from this meeting.
