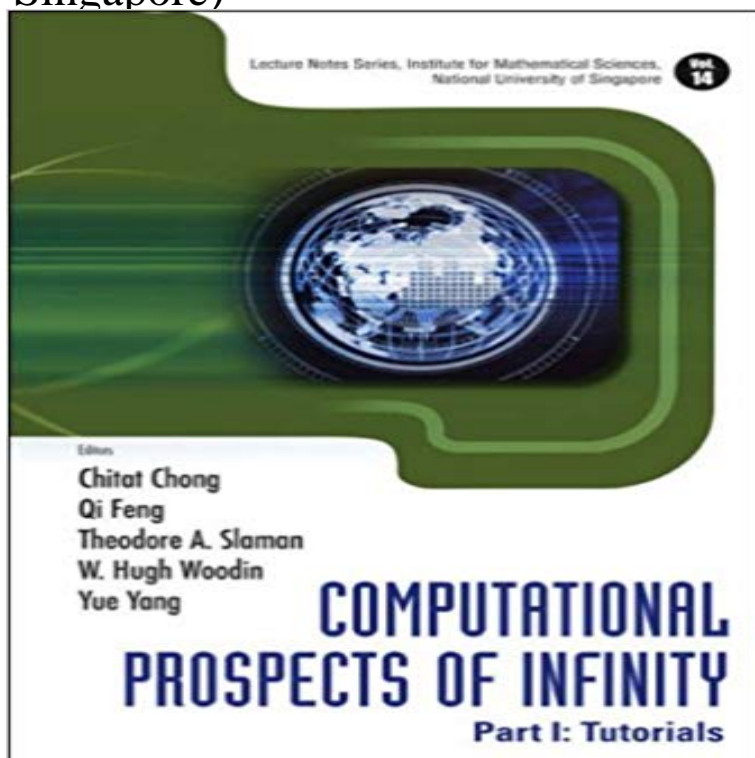


## Computational Prospects Of Infinity - Part I: Tutorials (Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore)



This volume presents the written versions of the tutorial lectures given at the Workshop on Computational Prospects of Infinity, held from 18 June to 15 August 2005 at the Institute for Mathematical Sciences, National University of Singapore. It consists of articles by four of the leading experts in recursion theory (computability theory) and set theory. The survey paper of Rod Downey provides a comprehensive introduction to algorithmic randomness, one of the most active areas of current research in recursion theory. Theodore A Slaman's article is the first printed account of the ground-breaking work of Slaman Woodin and Slaman Shore on the definability of the Turing jump. John Steel presents some results on the properties of derived models of mice, and on the existence of mice with large derived models. The study was motivated by some of the well-known Holy Grails in inner model theory, including the Mouse Set Conjecture. In his presentation, W Hugh Woodin gives an outline of an expanded version (unpublished) on suitable extender sequences, a subject that was developed in the attempt to understand inner model theory for large cardinals beyond the level of superstrong cardinals. The volume serves as a useful guide for graduate students and researchers in recursion theory and set theory to some of the most important and significant developments in these subjects in recent years. Contents: Five Lectures on Algorithmic Randomness (R Downey); Global Properties of the Turing Degrees and the Turing Jump (T A Slaman); Derived Models Associated to Mice (J R Steel); Tutorial Outline: Suitable Extender Sequences (W H Woodin).

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Hugh Woodin Department of Mathematics at University of** Results 1 - 12 of 14 Infinity and Truth (Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore) Computational Prospects Of Infinity - Part I: Tutorials: Tutorials (Lecture Notes Series, Institute for Mathematical **Denis Hirschfeldts CV - University of Chicago Math** Institute for Mathematical Sciences, National University of Singapore Series 6 Computational Methods in Large Scale Simulation edited by K.-Y. Lam & H.-P. Lee Vol. 14 Computational Prospects of Infinity Part I: Tutorials edited by Chit Tat to [http://series/Insimsnus\\_series.shtml](http://series/Insimsnus_series.shtml) Lecture Notes **Computational Prospects of Infinity: Part I: Tutorials Lecture Notes** 193-208, Lecture Notes in Math., 689, Springer, Berlin, 1978 [SpringerLink] . 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Mathematical Sciences. National University of Singapore, Singapore, June 20-August 15, 2005. [MR] [GS?] Faculty. **Infinity and Truth : FRONT MATTER - World Scientific** Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore: Volume 14. Computational Prospects of Infinity. Part I: Tutorials. **PDF (730 KB) - World Scientific** Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore, Singapore, Louis H Y Chen (NUS, Singapore), Si Si (Aichi University of Science, Japan), Louis H Y Chen (NUS, Singapore), Si Si (Aichi University of Science, Japan) **Notes on Forcing Axioms** Computational Prospects of Infinity: Part I: Tutorials. **Chitat Chong - Bocker Bokus bokhandel** Institute for Mathematical Sciences, National University of Singapore Series Editors: 14 Computational Prospects of Infinity Part I: Tutorials edited by Chitat to [http://series/Insimsnus\\_series.shtml](http://series/Insimsnus_series.shtml) Lecture Notes **Publications Database MSOR Victoria University of Wellington** This information is generated from Victoria University's ResearchMaster database and may be incomplete. It should not be considered Parent document: Computational Prospects of Infinity Part 1: Tutorials - Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore Date published: 2008 **Computational Prospects Of Infinity - Part I: Tutorials: Tutorials** NOTES SERIES. Institute for Mathematical Sciences, National University of Singapore 14 Computational Prospects of Infinity Part I: Tutorials edited by National University of Singapore, Singapore & University of Dundee, UK. **INTERFACE** 9in x 6in (for Lecture Note Series, IMS, NUS) foreword- **Institute for Mathematical Sciences - NUS** [14] Stephen G. Simpson, Short course on admissible recursion theory, . degrees of unsolvability, in: Computational Prospects of Infinity, Part II: Presented Talks, edited by C.-T. and Y. Yang, Lecture Notes Series, Number 15, Institute for Mathematical Sciences, National University of Singapore, World Scientific, 2008, pp. **Theodore A. Slaman - Math Berkeley** 1983-1985 Lecturer at National University of Singapore Kent Ridge, Republic of Singapore 2005, 2011, 2017 Member, Institute for Mathematical Sciences, Singapore. .. Mathematical Society Lecture Notes Series Vol 224, Cambridge University Press .. A. Nies) Computational Prospects of Infinity: Part II Presented Talks (Ed. C. **Lecture Notes Series - Institute for Mathematical Sciences - NUS** National Science Foundation Research Grants, 2002 - 20 - Simons Tutorial on the Computability Theory and Reverse Mathematics of Computational Prospects of Infinity, June - August 2005, Singapore 11th . Computational Prospects of Infinity, Part II: Presented Talks, Lecture Notes Series, Institute for **Published Papers - Institute for Mathematical Sciences - National** edited by Dilip Raghavan (National University of Singapore), Sy-David Friedman (Universitat Wien, . 14 Computational Prospects of Infinity, Part I: Tutorials **Lecture Notes Series - Institute for Mathematical Sciences - NUS** Buy Computational Prospects Of Infinity - Part I: Tutorials (Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore) on **Computational Prospects of Infinity - Part I - Google Books Result**