

Advances in discrete
mathematics
and applications

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Volume 13

Advances in discrete mathematics and applications

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Volume editors

B. D. Acharya
G. O. H. Katona
Juarez Nešetřil



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Preface

Though human cognition appears to comprehend the continuum, human action by and large takes place in discrete epochs. Discrete mathematics is that part of mathematics which deals with systematic treatment and understanding of discrete structures and processes encountered in our day-to-day life, which are often inherently quite complex in nature but seemingly understandable. Illustration of this character of discrete mathematics is abound with excitements, occasionally even to a common man. Further, discrete mathematics cuts across wide range of disciplines of human understanding not only in areas of pure mathematics but also in a variety of application areas, so much so that no other single area of mathematics has perhaps this special character of ‘transversality’.

The holding of the International Conference on Discrete Mathematics during June 6–10, 2008 (ICDM-2008) was hence aimed to bring together a sizeable number of active researchers engaged in foraying into the frontiers of the subject. To our delight, there were more than 250 participants, including more than a dozen experts from abroad (see the list of their names, with addresses, appended to this volume), each of whose presentations contributed substantially to raise the academic atmosphere filled with the spirit of innovation and interaction that kept the peers as well as the sessions lively throughout.

The last session on 10 June 2008 was observed as “FIFTH GRAPH THEORY DAY”, with special activities such as expression of appreciation to the Invited Speakers and honoring Prof. E. Sampathkumar, the Founding President of the Academy of Discrete Mathematics (ADMA), India, on the occasion of his 72nd birth day. Also, it was decided and announced that a volume containing the best part of the technical proceedings of the ICDM-2008 would be brought out under the Ramanujan Mathematical Society’s Lecture Notes Series in Mathematics (RMS-LNSM) with B.D. Acharya (SRC-IIIDMS, University of Mysore, Mysore, India), G.O.H. Katona (Hungarian Academy of Sciences, Budapest, Hungary) and J. Nešetřil (Charles University, Praha, Czech Republic) as Volume Editors.

Accordingly, today, we are happy to present this volume as a result of cooperation received from all the participants, Invited Speakers and, most of all, the patient and the perseverant referees (see the list appended to the volume) – we place on record our deep appreciation and thanks to each one of them.

Volume Editors
May, 2008

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