

London Mathematical Society  
Lecture Note Series 166

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# Surveys in Combinatorics, 1991

Edited by  
A. D. Keedwell

CAMBRIDGE UNIVERSITY PRESS

# Surveys In Combinatorics 1991

**Andrew Pressley**



## **Surveys In Combinatorics 1991:**

**Surveys in Combinatorics, 1991** A. D. Keedwell, 1991      *Surveys in Combinatorics, 1991* A. D. Keedwell, Savilian Professor of Geometry N J Hitchin, 2014-05-18 This volume contains the invited papers presented at the British Combinatorial Conference held at the University of Surrey in July 1991      *Surveys in Combinatorics ...* British Combinatorial Conference, 1991      **Surveys in combinatorics. Invited papers ; 1991**, 1991      *Corings and Comodules* Tomasz Brzezinski, Robert Wisbauer, 2003-09-15 This is the first extensive treatment of the theory of corings and their comodules In the first part the module theoretic aspects of coalgebras over commutative rings are described Corings are then defined as coalgebras over non commutative rings Topics covered include module theoretic aspects of corings such as the relation of comodules to special subcategories of the category of modules sigma type categories connections between corings and extensions of rings properties of new examples of corings associated to entwining structures generalisations of bialgebras such as bialgebroids and weak bialgebras and the appearance of corings in non commutative geometry      **Invariant Potential Theory in the Unit Ball of  $C_n$**  Manfred Stoll, 1994-05-12 This monograph provides an introduction and a survey of recent results in potential theory with respect to the Laplace Beltrami operator  $D$  in several complex variables with special emphasis on the unit ball in  $C_n$  Topics covered include Poisson Szeg integrals on the ball the Green's function for  $D$  and the Riesz decomposition theorem for invariant subharmonic functions The extension to the ball of the classical Fatou theorem on non tangible limits of Poisson integrals and Littlewood's theorem on the existence of radial limits of subharmonic functions are covered in detail The monograph also contains recent results on admissible and tangential boundary limits of Green potentials and  $L_p$  inequalities for the invariant gradient of Green potentials Applications of some of the results to  $H_p$  spaces and weighted Bergman and Dirichlet spaces of invariant harmonic functions are included The notes are self contained and should be accessible to anyone with some basic knowledge of several complex variables      **Rational Points on Curves Over Finite Fields** Harald Niederreiter, Chaoping Xing, 2001-06-14 Ever since the seminal work of Goppa on algebraic geometry codes rational points on algebraic curves over finite fields have been an important research topic for algebraic geometers and coding theorists The focus in this application of algebraic geometry to coding theory is on algebraic curves over finite fields with many rational points relative to the genus Recently the authors discovered another important application of such curves namely to the construction of low discrepancy sequences These sequences are needed for numerical methods in areas as diverse as computational physics and mathematical finance This has given additional impetus to the theory of and the search for algebraic curves over finite fields with many rational points This book aims to sum up the theoretical work on algebraic curves over finite fields with many rational points and to discuss the applications of such curves to algebraic coding theory and the construction of low discrepancy sequences      **Singularities of Plane Curves** Eduardo Casas-Alvero, 2000-08-31 Comprehensive and self contained exposition of singularities of plane curves including new

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*Topics in Dynamics and Ergodic Theory* Sergey Bezuglyi, 2003-12-08 This book contains a collection of survey papers by leading researchers in ergodic theory low dimensional and topological dynamics and it comprises nine chapters on a range of important topics These include the role and usefulness of ultrafilters in ergodic theory topological dynamics and Ramsey theory topological aspects of kneading theory together with an analogous 2 dimensional theory called pruning the dynamics of Markov odometers Bratteli Vershik diagrams and orbit equivalence of non singular automorphisms geometric proofs of Mather's connecting and accelerating theorems recent results in one dimensional smooth dynamics periodic points of nonexpansive maps arithmetic dynamics the defect of factor maps entropy theory for actions of countable amenable groups

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*Analysis and Logic* C. Ward Henson, 2002 This volume comprises articles from four outstanding researchers who work at the cusp of analysis and logic The emphasis is on active research topics many results are presented that have not been published before and open problems are formulated Considerable effort has been made by the authors to integrate their articles and make them accessible to mathematicians new to the area

A Quantum Groups Primer Shahn Majid, 2002-04-04 This book provides a self contained introduction to quantum groups as algebraic objects Based on the author's lecture notes for the Part III pure mathematics course at Cambridge University it is suitable for use as a textbook for graduate courses in quantum groups or as supplement to modern

courses in advanced algebra The book assumes a background knowledge of basic algebra and linear algebra Some familiarity with semisimple Lie algebras would also be helpful The book is aimed as a primer for mathematicians but will also be useful for mathematical physicists     Aspects of Sobolev-Type Inequalities L. Saloff-Coste, 2002 Focusing on Poincaré Nash and other Sobolev type inequalities and their applications to the Laplace and heat diffusion equations on Riemannian manifolds this text is an advanced graduate book that will also suit researchers

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