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Nota di contenuto	Table of Contents -- Introduction -- Scientific Programme -- List of Participants -- Invited Lectures -- Homology Representations of Finite Groups of Lie Type -- Matrix Correlation Functions -- Some Aspects of Singular Integral Equations - A Numerical Analyst's Viewpoint -- Some Examples of Algebraic Surfaces -- Lie Groups and Combinatorics -- Paper Folding, Space-Filling Curves and Rudin-Shapiro Sequences -- What They Are and What They Are Good For -- The Optimal Recovery of Functions -- Recent Bounds for Codes, Sphere Packings and Related Problems Obtained by Linear Programming and Other Methods -- Three Aspects of the Statistics of Directions -- Bifurcation and Catastrophe Theory -- Contributed Papers: Algebra, Number Theory -- Euclid with an Unfamiliar Ring -- Absolute Retracts, Relatively Injective Simple Objects and Brown-McCoy Radicals -- A Comparison Theorem and other Formulae in the Character Ring of a Finite Group of Lie Type -- On Commutative Group Algebras -- Orthogonal Systems of Polynomials over a Finite Field with Coefficients in a Subfields -- A Lattice Colouring Problem -- Substitution Automata, Functional Equations and Functions Algebraic over a Finite Field -- Contributed Papers: Analysis -- The Formal Power Series Approach to Elementary Catastrophe Theory -- On Central Extensions

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