

CONTENTS

Preface	v
List of authors	vii
The key equation for codes from order domains <i>J. B. Little</i>	1
A Gröbner representation for linear codes <i>M. Borges-Quintana, M. A. Borges-Trenard and E. Martínez-Moro</i>	17
Arcs, minihypers, and the classification of three-dimensional Griesmer codes <i>H. N. Ward</i>	33
Optical orthogonal codes from Singer groups <i>T. L. Alderson and K. E. Mellinger</i>	51
Codes over F_{p^2} and $F_p \times F_p$, lattices, and theta functions <i>T. Shaska and C. Shor</i>	70
Goppa codes and Tschirnhausen modules <i>D. Coles and E. Previato</i>	81
Remarks on s -extremal codes <i>J.-L. Kim</i>	101
Automorphism groups of generalized Reed-Solomon codes <i>D. Joyner, A. Ksir and W. Traves</i>	114

About the code equivalence <i>I. G. Bouyukliev</i>	126
Permutation decoding for binary self-dual codes from the graph Q_n where n is even <i>J. D. Key and P. Seneviratne</i>	152
The sum-product algorithm on small graphs <i>M. E. O'Sullivan, J. Brevik and R. Wolski</i>	160
On the extremal graph theory for directed graphs and its cryptographical applications <i>V. A. Ustimenko</i>	181
Fast arithmetic on hyperelliptic curves via continued fraction expansions <i>M. J. Jacobson, Jr., R. Scheidler and A. Stein</i>	200
The number of inequivalent binary self-orthogonal codes of dimension 6 <i>X.-D. Hou</i>	244