## TABLE OF CONTENTS

Foreword	V
J. AKIYAMA, K. ANDO and H. MIZUNO, Characterizations and classifications of biconnected graphs	1
R.A. BARI, Line graphs and their chromatic polynomials	15
J.C. BERMOND, C. DELORME and G. FARHI, Large graphs with given degree and diameter III	23
B. BOLLOBÁS, Distinguishing vertices of random graphs	33
B. BOLLOBÁS and F. HARARY, The trail number of a graph	51
J.H. CONWAY and M.J.T. GUY, Message graphs	61
D.E. DAYKIN and P. FRANKL, Sets of graph colourings	65
P. DUCHET and H. MEYNIEL, On Hadwiger's number and the stability number	71
H. DE FRAYSSEIX and P. ROSENSTIEHL, A depth-first-search characterization of planarity	75
J.L. GROSS, Graph-theoretical model of social organization	81
R. HÄGGKVIST, Odd cycles of specified length in non-bipartite graphs	89
R. HALIN, Simplicial decompositions: Some new aspects and applications	10
F. HARARY, Achievement and avoidance games for graphs	111

viii Contents

A.J.W. HILTON, Embedding incomplete latin rectangles	121
A.J.W. HILTON and C.A. RODGER, Edge-colouring regular bipartite graphs	139
A.J. MANSFIELD and D.J.A. WELSH, Some colouring problems and their complexity	159
A. PAPAIOANNOU, A Hamiltonian game	171
J. SHEEHAN, Finite Ramsey theory and strongly regular graphs	179
R. TINDELL, The connectivities of a graph and its complement	191