Contents

Preface	ix
List of participants	xi
Part I. Research Talks	
Finite sums and products in Ramsey theory ELAINE A. TERRY	3
Computing an exact solution in interior-point methods for linear programming PAMELA J. WILLIAMS, AMR S. EL-BAKRY, AND RICHARD A. TAPIA	9
Just the facts, Jack: Truths and myths of automated theorem provers RODERICK MOTEN	31
On the Sendov conjecture for polynomials with real critical points JOHNNY E. BROWN	49
Chaos in relaxed Newton's method: The quadratic case L. BILLINGS, J. H. CURRY, AND V. ROBINS	63
Almost automorphic functions and applications to abstract evolution equations Gaston M. N'guerekata	71
Moduli of complete intersections in weighted projective spaces A. FAUNTLEROY	77
Asymptotic behavior of characters of representations of semi-simple Lie groups Donald R. King	85
Part II. Poster Presentations	
A note on Riordan matrices ASAMOAH NKWANTA AND NATHANIEL KNOX	99
Robustness of parameter estimates in misspecified generalized linear mixed models	
Kimberly Weems	109

viii CONTENTS

Part III. Historical Articles

Contemporary national mathematics education issues and the civic	
mathematician	
RICHARD A. TAPIA	117
A brief history of the National Association of Mathematicians, Inc JOHNNY L. HOUSTON	139
Black research mathematicians in the United States	165