

## Contents

Preface	vii
List of Participants	ix
Chain recurrence and strong chain recurrence on uniform spaces ETHAN AKIN and JIM WISEMAN	1
Towards the prediction of critical transitions in spatially extended populations with cubical homology SARAH L. DAY and LAURA S. STORCH	31
Relating singularly perturbed rational maps to families of entire maps JOANNA FURNO and LORELEI KOSS	49
Stability of Cantor Julia sets in the space of iterated elliptic functions JANE HAWKINS	69
Pressure and escape rates for random subshifts of finite type KEVIN MCGOFF	97
On the complexity function for sequences which are not uniformly recurrent NIC ORMES and RONNIE PAVLOV	125
Definitions and properties of entropy and distance for regular languages AUSTIN J. PARKER, KELLY B. YANCEY, and MATTHEW P. YANCEY	139
Good and bad functions for bad processes ANDREW PARRISH and JOSEPH ROSENBLATT	171
Isomorphisms of cubic rational maps that preserve an infinite measure RACHEL L. ROSSETTI	187
Orbit classification and asymptotic constants for $d$ -symmetric covers MARTIN SCHMOLL	201
On the collision manifold of coorbital moons KIMBERLY STUBBS and SAMUEL R. KAPLAN	239
Multivariate random fields and their zero sets MICHAEL TAYLOR	251