

Contents

Preface	ix
Groups of proper homotopy equivalences of graphs and Nielsen Realization Yael Algom-Kfir and Mladen Bestvina	1
Z-sets in ANRs Fredric D. Ancel	33
The End Sum of Surfaces Liam Axon and Jack Calcutt	63
A survey on classifying hyperbolic actions of groups Sahana H. Balasubramanya	101
Stallings's Fibring Theorem and PD^3 -pairs Martin R. Bridson, Dawid Kielak, and Monika Kudłinska	125
Totally Symmetric Sets Noah Caplinger and Dan Margalit	133
Proper 2-equivalences and amalgams over virtually free groups M. Cárdenas, F. F. Lasheras, and A. Quintero	157
On Gromov's conjecture for right-angled Artin groups Alexander Dranishnikov and Satyanath Howladar	173
Ends of large scale groups Jerzy Dydak, Yuankui Ma, and Hussain Rashed	191
The expansion set construction of classifying spaces for generalized Thompson groups Daniel S. Farley	231
Le Conte de la Mesure sur les Complexes Cubiques $CAT(0)$ Talia Fernós	241
A generalized theory of expansions and collapses with applications to \mathcal{Z} -compactification Craig R. Guilbault and Daniel Gulbrandsen	253
Hyperbolic groups and local connectivity G. Christopher Hruska and Kim Ruane	283
Failure of quasi-isometric rigidity for infinite-ended groups Nir Lazarovich and Emily Stark	297

One-endedness of outer automorphism groups of free products of finite and cyclic groups	
RYLEE ALANZA LYMAN	305
A brief survey of \mathcal{Z} -boundaries	
MOLLY A. MORAN	335