

# Geometric Group Theory

Geneva and Barcelona Conferences

Goulnara N. Arzhantseva  
Laurent Bartholdi  
José Burillo  
Enric Ventura  
Editors

Birkhäuser  
Basel · Boston · Berlin

# Contents

Preface .....	vii
<i>U. Baumgartner</i> Totally Disconnected, Locally Compact Groups as Geometric Objects. A survey of work in progress .....	1
<i>J. Burillo, S. Cleary and B. Wiest</i> Computational Explorations in Thompson's Group $F$ .....	21
<i>T. Ceccherini-Silberstein and M. Coornaert</i> On the Surjunctivity of Artinian Linear Cellular Automata over Residually Finite Groups .....	37
<i>Y. de Cornulier and A. Mann</i> Some Residually Finite Groups Satisfying Laws .....	45
<i>R.J. Flores</i> Classifying Spaces for Wallpaper Groups .....	51
<i>V. Guirardel and G. Levitt</i> A General Construction of JSJ Decompositions .....	65
<i>Y. de Cornulier and P. de la Harpe</i> Décompositions de Groupes par Produit Direct et Groupes de Coxeter .....	75
<i>A. Ould Houcine</i> Limit Groups of Equationally Noetherian Groups .....	103
<i>A. Juhász</i> Solution of the Conjugacy Problem and Malnormality of Subgroups in Certain Relative Small Cancellation Group Presentations .....	121
<i>A. Juhász</i> Solution of the Membership Problem for Magnus Subgroups in Certain One-Relator Free Products .....	169
<i>M. Lustig</i> Conjugacy and Centralizers for Iwip Automorphisms of Free Groups .....	197
<i>A. Miasnikov, E. Ventura and P. Weil</i> Algebraic Extensions in Free Groups .....	225