

Contents

Preface	vii
List of Plenary Lectures	ix
The complex geometry of Teichmüller spaces and bounded symmetric domains STERGIOS M. ANTONAKOUDIS	1
Pseudo-Anosovs optimizing the ratio of Teichmüller to curve graph translation length TARIK AOUGAB AND SAMUEL J. TAYLOR	17
Handlebody subgroups in a mapping class group MLADEN BESTVINA AND KOJI FUJIWARA	29
The convex real projective orbifolds with radial or totally geodesic ends: A survey of some partial results SUHYOUNG CHOI	51
A gluing theorem and applications in subspaces of the universal Teichmüller space JINHUA FAN AND JUN HU	87
Extremal length and uniformization FREDERICK P. GARDINER	101
Winding and unwinding and essential intersections in $\mathbb{H}^3$ JANE GILMAN AND LINDA KEEN	125
The 1-2 model GEOFFREY R. GRIMMETT AND ZHONGYANG LI	139
Meromorphic quadratic differentials with complex residues and spiralling foliations SUBHOJOY GUPTA AND MICHAEL WOLF	153
Quasi-isometric rigidity of the class of convex-cocompact Kleinian groups PETER HAÏSSINSKY	183
Variation of moduli under continuous motions YUNPING JIANG AND SUDEB MITRA	205

Systolic surfaces of arithmetic hyperbolic 3-manifolds BENJAMIN LINOWITZ AND JEFFREY S. MEYER	215
Extremal length functions are log-plurisubharmonic HIDEKI MIYACHI	225