CONTENTS

STELIOS KOUNDOUROS: Universal surgery bounds on hyperbolic 3-manifolds ................................................................. 497

ELMAS IRMAK: Superinjective simplicial maps of complexes of curves and injective homomorphisms of subgroups of mapping class groups .......................... 513

MOIRA CHAS: Combinatorial Lie bialgebras of curves on surfaces .......... 543

TILMAN BAUER: $^\wedge$-compact groups as framed manifolds ......................... 569

SiLViiA ANJOS and GUSTAVO GRANJA: Homotopy decomposition of a group of symplectomorphisms of $S^2 \times S^2$ ......................................................... 599

(continued on outside back cover)
CONTENTS (continued from outside front cover)

MIHAI TIBĂR: Vanishing cycles of pencils of hypersurfaces .................. 619

ANDRZEJ WEBER: Pure homology of algebraic varieties ....................... 635

A.J. BAKER and J.P. MAY: Minimal atomic complexes ......................... 645

MANFRED STELZER: Hyperbolic spaces at large primes and a conjecture of Moore ................................................................. 667

FRANCISCO DUTENHEFNER and NIKOLAY GUSEVSKII: Complex hyperbolic Kleinian groups with limit set a wild knot ......................... 677

WILLIAM BASENER: Knots and topologically transitive flows on 3-manifolds ................................................................. 697

TERUHIKO SOMA: Existence of least area planes in hyperbolic 3-space with co-compact metric ................................................ 705

BERNHARD HANKE: Realization of equivariant chain complexes .......... 717

ADAM S. SIKORA: Torus and $7Ljp$ actions on manifolds .................. 725