Section 6

Topology

In case of several authors, Invited Speakers are marked with a *.

A. N. Dranishnikov: Dimension Theory and Large Riemannian Manifolds ..... II 423

W. G. Dwyer: Lie Groups and p-Compact Groups ..... II 433

Ronald Fintushel* and Ronald J. Stern*: Constructions of Smooth 4-Manifolds ..... II 443

Michael H. Freedman: Topological Views on Computational Complexity ..... II 453

Mark Mahowald: Toward a Global Understanding of $\pi_*(S^n)$ ..... II 465

Tomotada Ohtsuki: A Filtration of the Set of Integral Homology 3-Spheres ..... II 473

Bob Oliver: Vector Bundles over Classifying Spaces ..... II 483

Clifford Henry Taubes: The Geometry of the Seiberg-Witten Invariants ..... II 493