



PREFACE

This volume was conceived as the proceedings of a conference on surgery theory held at Rutgers University in July, 1983. The editors have taken the opportunity to considerably expand the subject matter.

The articles in this volume present original research on a wide range of topics in modern topology. They include important new material on the algebraic K-theory of spaces (Waldhausen, Vogell), the algebraic obstructions to surgery and finiteness (Cappell and Shaneson, Milgram, Pedersen and Weibel, Ranicki, Sondow), geometric and chain complexes (Davis, Quinn, Smith, Weinberger), characteristic classes (Levitt), and transformation groups (Assadi and Vogel).

A paper of J. Levine on homotopy spheres, written in 1969 as the sequel to the classic work of Kervaire and Milnor but never published, is also included.

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Norman Levitt

Frank Quinn

November, 1984

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