

PREFACE

The content of the present thesis is based on the researches, which I have been carrying out since August 1997 at The Maharaja Sayajirao University of Baroda, Vadodara, on "DYNAMICAL PROPERTIES OF MAPS ON TOPOLOGICAL SPACES AND G -SPACES" under the supervision of Dr. T. K. Das, Reader in Mathematics, Department of Mathematics, Faculty of Science, The Maharaja Sayajirao University of Baroda.

The present thesis contains six chapters. Major results of the Chapter 2 in its original form are published in the JP Journal of Geometry and Topology, Volume 3, 2003. Some of the results of Chapter 4 are accepted for publication in the Journal of the Indian Mathematical Society. Many results of Chapter 3 and 4 were presented at the 70th Conference of the Indian Mathematical Society in December 2004. Remaining results in the present thesis have also been communicated for possible publication in research journals.

I take this opportunity to express my sincere thanks and gratitude to my teacher and supervisor Dr. T. K. Das for his valuable guidance, which I received from him during the tenure of the work.

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