Proceedings of the
Gökova Geometry-Topology
Conference 2005

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Participants of the 12th Gökova Geometry-Topology Conference
PREFACE

We dedicate this volume to the memory of Raoul Bott, a great mathematician of the 20th Century. He is well known for his amazing work on the periodicity of the homotopy groups of Lie groups, and his contributions to index theory, foliations, equivariant topology, and gauge theory. In recent years he was also active in TQFT and physics. Raoul has been a long time supporter of Gökova Geometry Topology Conferences, which he attended twice; he wrote articles to its proceedings, as well as giving organizational support. He had a very warm and modest presence; interacting with him was not only a source of mathematical stimulation, but at a personal level a great joy for everyone. In these conferences he left a lasting impression, especially in younger mathematicians who were in awe of him; when answering their questions he gently embraced them by their shoulders like a Turkish grandfather. Raoul this modest volume is to you with all our heartfelt respect.

This proceedings volume contains articles from both eleventh and twelfth Gökova Conferences. Thanks to TÜBİTAK’s continuous support since 1992, Gökova Geometry Topology Conferences have flourished greatly and have had a strong impact. TÜBİTAK has published all the previous issues of the conference proceedings. This is the first year we receive support from NSF. We thank NSF for their generous support as well.

March 2006

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