

CONTEMPORARY MATHEMATICS

158

Topology and Representation Theory

Conference on the Connections
between Topology
and Representation Theory
May 1–5, 1992
Northwestern University

Eric M. Friedlander
Mark E. Mahowald
Editors



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Providence, Rhode Island

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Preface

The academic year 1991–92 was designated by the Mathematics Department of Northwestern University as an Emphasis Year in “The connections between topology and representation theory”. Supported by funds from the National Science Foundation and Northwestern University, Mathematics Department, visitors from around the world came together during the year to discuss current developments. During the period May 1–5, 1992, a conference was held which attracted over 120 participants. Most of the plenary lectures were expository in nature, designed to expose current trends to graduate students as well as nonspecialists familiar with algebraic topology. This volume contains papers presented or solicited at the conference. All the papers were refereed. The papers by J. Carlson, J. Martino, and T. Petrie are based on their plenary talks. The paper of M. Hopkins, M. Mahowald, and H. Sadofsky is based on a seminar given during the emphasis year. The paper by R. Gross and M. Hopkins was solicited.

We thank Mrs. Melanie Rubin of Northwestern and Mrs. Donna Harmon of the American Mathematical Society for their expert help in assembling this volume.

Eric M. Friedlander
Mark E. Mahowald

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Eric M. Friedlander and Mark E. Mahowald, Editors

During 1991–1992, Northwestern University conducted a special emphasis year on the topic, “The connections between topology and representation theory”. Activities over the year culminated in a conference in May 1992 which attracted over 120 participants. Most of the plenary lectures at the conference were expository and designed to introduce current trends to graduate students and nonspecialists familiar with algebraic topology. This volume contains refereed papers presented or solicited at the conference; one paper is based on a seminar given during the emphasis year.

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