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CONTEMPORARY MATHEMATICS

Volume 83

Algebraic K-Theory and Algebraic Number Theory

Proceedings of a Seminar held January 12–16, 1987 with support from the National Science Foundation and the Japan Society for the Promotion of Science

Michael R. Stein and
R. Keith Dennis, Editors

AMERICAN MATHEMATICAL SOCIETY
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INTRODUCTION

With the joint support of the National Science Foundation and the JSPS, a seminar on Algebraic K-theory and Algebraic Number Theory was held at the East-West Center in Honolulu, Hawaii from January 12 through January 16, 1987. This volume contains contributions from the participants and observers at that seminar.

The seminar was motivated by the wide range of connections between the two topics. These are exemplified by the work of Merkurjev, Suslin, Beilinson, Bloch, Ramakrishnan, Kato, Saito, Lichtenbaum, Thomason, and Ihara. Since applications flow in both directions, the seminar was an opportunity for mathematicians from both fields to learn about possible interactions as will be evident from the diversity of papers contained in these Proceedings.

The success of this conference was due to the hard work of many individuals and generous funding by the National Science Foundation and the JSPS. The staff of the East-West Center in Honolulu provided comprehensive logistical support. We would especially like to thank our Japanese co-organizers, Professors Eiichi Abe and Shuichi Takahashi, and the other members of the U.S. Organizing Committee, Spencer Bloch and Jack Wagoner. Their guidance and help were invaluable.

These entire proceedings (with the exception of one paper) were prepared in TEX by Lisa Tator of the Northwestern University Mathematics Department, who also handled the majority of the editorial correspondence. Her efforts should be apparent to anyone reading the text, and she deserves great thanks for making the task of editing these Proceedings less formidable.

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October 5, 1988

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