

Geometry of the Laplace Operator

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PURE MATHEMATICS**

AMERICAN MATHEMATICAL SOCIETY

GEOMETRY OF THE LAPLACE OPERATOR

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IN PURE MATHEMATICS
Volume XXXVI**

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LAPLACE OPERATOR**

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FOREWORD

The AMS Symposium on the Geometry of the Laplace Operator was held at the University of Hawaii at Manoa (Honolulu) from March 27th through 30th, 1979, in conjunction with the 764th meeting of the American Mathematical Society. The organizing committee consisted of David D. Bleecker and Robert Osserman (co-chairmen), Victor W. Guillemin, Henry P. McKean, Jr., Karen Uhlenbeck, Joel L. Weiner, and Alan Weinstein.

The present volume contains expanded versions of most of the invited lectures and a few contributed papers; it represents quite faithfully the range of topics discussed in the symposium.

We would like to thank all those whose work on the arrangements made the symposium a success. These include David Bleecker and Joel Weiner of the University of Hawaii, as well as Dorothy Smith and Heather MacDonald of the AMS. We are also grateful to NSF for financial support. We hope that in publishing this volume we will allow a much wider audience to share in some of the work and enthusiasm of the participants in the Symposium.

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