CONTEMPORARY MATHEMATICS

671

Operator Algebras and Their Applications

A Tribute to Richard V. Kadison

AMS Special Session
Operator Algebras and Their Applications:
A Tribute to Richard V. Kadison
January 10–11, 2015
San Antonio, TX

Robert S. Doran
Efton Park
Editors

American Mathematical Society

Operator Algebras and Their Applications

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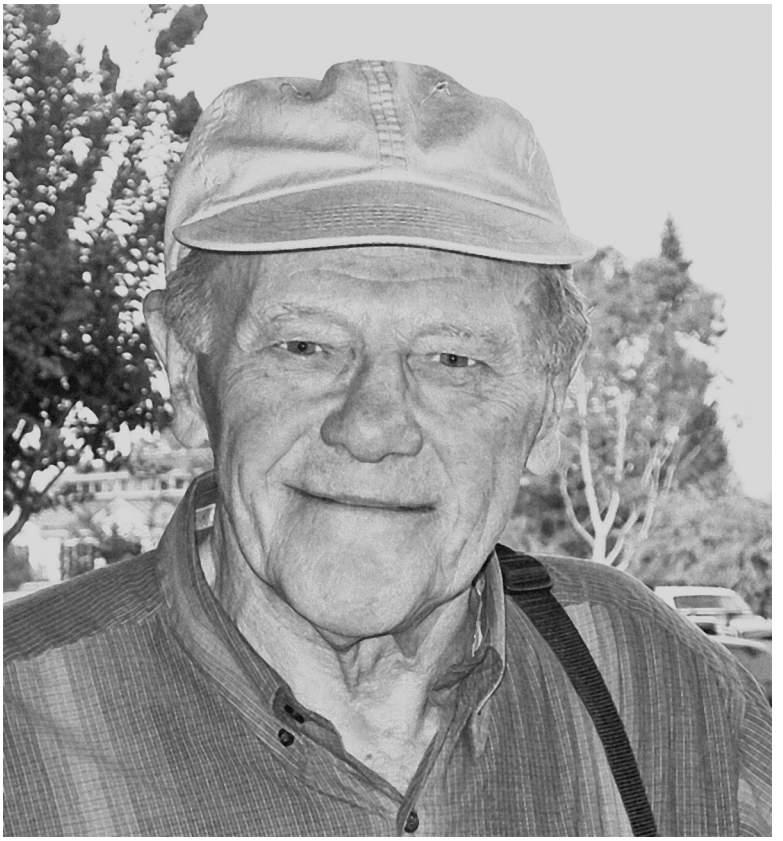

Richard V. Kadison

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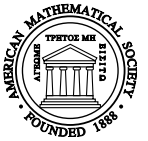

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The photo of Richard V. Kadison on page ii is courtesy of Gestur Olafsson.

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To Karen Kadison

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Preface

Richard V. Kadison has been a towering figure in the study of operator algebras for more than 65 years. His research and leadership in the field have been fundamental in the development of the subject, and his influence continues to be felt though his work and the work of his many students, collaborators, and mentees.

This volume contains the proceedings of an AMS Special Session *Operator Algebras and Their Applications: A Tribute to Richard V. Kadison*, held on January 10-11, 2015, in San Antonio, Texas. The table of contents reveals contributions by an outstanding group of internationally known mathematicians. Most of the papers are expanded versions of the authors' talks in San Antonio.

This volume features expository papers as well as original research articles, and Dick Kadison's influence can be seen throughout. All the articles have been carefully refereed and will not appear in print elsewhere. All of the contributors are esteemed members of the mathematical community, and for this reason we have elected to simply present the papers in alphabetical order by the first-named author.

We the editors thank everyone who participated in both the AMS Special Session and the preparation of this volume. Without the hard work of the authors and the referees, as well as the editorial staff of the American Mathematical Society, this volume would have never seen the light of day. We especially thank Christine M. Thivierge for her invaluable assistance and patience. In addition, we thank Gestur Olafsson for his permission to use the photo of Dick that appears in the volume, and also Bogdan Oporowski for his nice editing work on the picture.

Finally, we express our great appreciation for Dick Kadison. The subject of operator algebra, and indeed mathematics itself, would have been much different, and poorer, without his contributions.

Robert S. Doran

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This volume contains the proceedings of the AMS Special Session *Operator Algebras and Their Applications: A Tribute to Richard V. Kadison*, held from January 10–11, 2015, in San Antonio, Texas.

Richard V. Kadison has been a towering figure in the study of operator algebras for more than 65 years. His research and leadership in the field have been fundamental in the development of the subject, and his influence continues to be felt though his work and the work of his many students, collaborators, and mentees.

Among the topics addressed in this volume are the Kadison-Kaplanksy conjecture, classification of C^*-algebras, connections between operator spaces and parabolic induction, spectral flow, C^*-algebra actions, von Neumann algebras, and applications to mathematical physics.

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