CONTEMPORARY MATHEMATICS

640

Spectral Theory and Partial Differential Equations

Conference in honor of James Ralston's 70th Birthday
Spectral Theory and Partial Differential Equations
June 17–21, 2013
University of California, Los Angeles, Los Angeles, California

Gregory Eskin
Leonid Friedlander
John Garnett
Editors

American Mathematical Society

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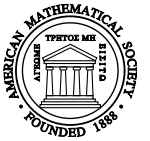

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To Jim Ralston on the occasion of his seventieth birthday

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Preface

This volume's authors participated in the Conference in Spectral Geometry and Partial Differential Equations that took place at UCLA on June 17–21, 2013. Both the conference and the volume are dedicated to Jim Ralston on the occasion of his 70th birthday. Jim is well known for his work in PDEs, spectral theory, and inverse problems. Through his ideas, and his support and encouragement of young mathematicians, Jim has made a great contribution to the field.

We would like to thank the speakers at the conference, all of the participants, the authors of this volume, and the referees. Their effort made the conference a success and allowed this volume to appear. Lastly, the conference was partially supported by the NSF grant DMS1301620.

Gregory Eskin
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Spectral Theory and Partial Differential Equations • Eskin et al., Editors

This volume contains the proceedings of the Conference on Spectral Theory and Partial Differential Equations, held from June 17–21, 2013, at the University of California, Los Angeles, California, in honor of James Ralston's 70th Birthday.

Papers in this volume cover important topics in spectral theory and partial differential equations such as inverse problems, both analytical and algebraic; minimal partitions and Pleijel's Theorem; spectral theory for a model in Quantum Field Theory; and beams on Zoll manifolds.

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