

CONTEMPORARY MATHEMATICS

734

Differential Equations, Mathematical
Physics, and Applications:
Selim Grigorievich Krein Centennial

Peter Kuchment
Evgeny Semenov
Editors

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Dedicated to the centennial of Professor Selim Grigorievich Krein



Photograph provided by Dr. T. Voronina (nee Krein).

Selim Grigorievich Krein

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Preface

This is the second of the two volumes dedicated to the centennial of distinguished mathematician Professor Selim Grigorievich Krein. Krein has made numerous major contributions to functional analysis, operator theory, partial differential equations, fluid dynamics, and other areas. He had written several influential monographs in these areas. He had also been a prolific teacher, graduating 83 PhD students, including quite a few well known mathematicians currently scattered around the globe. Another his major activity was creation and running the annual Voronezh Winter Mathematical Schools, which has influenced significantly the mathematical life in the former Soviet Union since 1967.

The articles in this volume are written by former students and colleagues of Selim Krein, as well as lecturers and participants of Voronezh Winter Schools. They are devoted to a variety of contemporary problems of differential equations, fluid dynamics, and applications. The papers present new or survey recent results in these areas.

The editors express their sincere gratitude to all the contributors to the volume and to the AMS publishing staff, in particular to Ms. Christine Thivierge and production editor Mike Saitas, for great help provided.

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November 24th, 2018

This is the second of two volumes dedicated to the centennial of the distinguished mathematician Selim Grigorievich Krein. The companion volume is *Contemporary Mathematics, Volume 733*.

Krein was a major contributor to functional analysis, operator theory, partial differential equations, fluid dynamics, and other areas, and the author of several influential monographs in these areas. He was a prolific teacher, graduating 83 Ph.D. students. Krein also created and ran, for many years, the annual Voronezh Winter Mathematical Schools, which significantly influenced mathematical life in the former Soviet Union.

The articles contained in this volume are written by prominent mathematicians, former students and colleagues of Selim Krein, as well as lecturers and participants of Voronezh Winter Schools. They are devoted to a variety of contemporary problems in ordinary and partial differential equations, fluid dynamics, and various applications.



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