

CONTEMPORARY MATHEMATICS

547

Function Spaces in Modern Analysis

Sixth Conference on
Function Spaces
May 18–22, 2010
Southern Illinois University, Edwardsville

Krzysztof Jarosz
Editor



American Mathematical Society

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Preface

The *Sixth Conference on Function Spaces* was held at Southern Illinois University at Edwardsville, from May 18 to May 22, 2010. It was attended by over one hundred participants from 25 countries. The lectures covered a broad range of topics, including spaces and algebras of analytic functions of one and of many variables (and operators on such spaces), L^p -spaces, spaces of Banach-valued functions, isometries of function spaces, geometry of Banach spaces, and other related subjects. The main purpose of the Conference was to bring together mathematicians interested in various problems within the general area of function spaces and to allow a free discussion and exchange of ideas with people working on exactly the same problems as well as with people working on related questions. Hence, most of the lectures, and therefore the papers in this volume, have been directed to non-experts. A number of articles contain an exposition of known results (known to experts) and open problems; other articles contain new discoveries that are presented in a way that should also be accessible to mathematicians working in different areas of function spaces.

The Conference was the sixth in a sequence of Conferences on Function Spaces at SIUE; the previous Conferences were held in May of 1990, 1994, 1998, 2002, and 2006. The Proceedings of the first two conferences were published with Marcel Dekker in *Lecture Notes in Pure and Applied Mathematics* series (#136 and #172), the Proceedings of the last three conference were published by the AMS in the Contemporary Mathematics series (#232, #328, and #435).

The abstracts, the schedule of the talks, and other information, as well as the pictures of the participants are available on the Conference WEB page at <http://www.siu.edu/MATH/conference2010/>.

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Krzysztof Jarosz

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