Function Spaces

Proceedings of the Third Conference on Function Spaces
May 19–23, 1998
Southern Illinois University at Edwardsville

Krzysztof Jarosz
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Function Spaces
This volume contains the proceedings of the Third Conference on Function Spaces, held at Southern Illinois University at Edwardsville from May 19 to May 23, 1998.

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Preface

The Third Conference on Function Spaces was held at Southern Illinois University at Edwardsville (SIUE), from May 19 to May 23, 1998. It attracted over 100 participants from over 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 contains an exposition of known results (known to experts) and open problems; other articles contain new discoveries that are presented in a way that should be accessible also to mathematicians working in different areas of function spaces.

The Conference was the third in a sequence of conferences on function spaces at SIUE, with the first held in the Spring of 1990 and the second in the Spring of 1994. The Proceedings of the previous conferences were published with Marcel Dekker in the Lecture Notes in Pure and Applied Mathematics series (#136 and #172).

The organizer of the conferences enjoyed observing the changes in means of communication within the mathematical community worldwide over the last 10 years. During the first Conference most of the correspondence was done by regular mail and telephone, and the contributing papers were prepared using a variety of softwares and most were submitted as hard copies. For the second Conference e-mail, in text form, was already the prevailing mean of communication, and $\TeX$ was the most popular software. For the last Conference the Internet became dominant: most participants registered on-line, Conference information and updates were regularly posted on the Conference WEB page, and the schedule of talks and abstracts of talks were available for downloads before the beginning of the meeting. All of the contributed papers have been typeset in $\TeX$, and most have been submitted by e-mail. The Conference WEB page is still available at http://www.siue.edu/MATH/conference.htm, where one can check the abstracts and the schedule as well as pictures of the participants. These technical developments make communication much easier for the majority of the mathematicians; it is also clear that for mathematicians without Internet access full participation in the professional life of the community becomes more difficult.
The Conference was sponsored by grants from Southern Illinois University, the National Science Foundation, and the Central States Universities, Incorporated. The editor would like to thank everyone who contributed to the Proceedings: the authors, the referees, the sponsoring institutions, and the American Mathematical Society.

The editor would also like to express very special thanks to his wife Dorota for her active professional help during all of the stages of the organization—without her help the Conference and the Proceedings would not have been possible.

Krzysztof Jarosz
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