Editors’ Introduction

We introduce this volume with a mixture of feelings: Fond memories for Victor Lomonosov as a colleague and friend with a marvelous sense of humor, but also a feeling of great sadness for the loss of a person possessing such mathematical brilliance. Reading—or rereading—his work, one is struck by its depth, elegance, and apparent simplicity. It is easy to be fooled by the brevity of his work: For example, there are barely 15 pages in total in his 1973 paper on the invariant subspace problem, the 1991 Israel Journal paper on the Burnside theorem in infinite dimensions, and the 2000 Israel Journal paper on the Bishop–Phelps theorem in complex Banach spaces. However, these clearly written papers, in absolutely central areas of operator theory and functional analysis, are indeed very profound and have had a significant impact on the development of analysis during the last half century.

We thank the many mathematicians who have contributed their excellent work to celebrate and memorialize Victor Lomonosov’s contributions to operator theory and functional analysis. We are also grateful to De Gruyter for its support of this project.

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