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Classes of Linear Operators Vol. I

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PREFACE

After the book "Basic Operator Theory" by Gohberg-Goldberg was published, we, that is the present authors, intended to continue with another book which would show the readers the large variety of classes of operators and the important role they play in applications. The book was planned to be of modest size, but due to the profusion of results in this area of analysis, the number of topics grew larger than expected. Consequently, we decided to divide the material into two volumes — the first volume being presented now.

During the past years, courses and seminars were given at our respective institutions based on parts of the texts. These were well received by the audience and enabled us to make appropriate choices for the topics and presentation for the two volumes. We would like to thank G.J. Groenewald, A.B. Kuijper and A.C.M. Ran of the Vrije Universiteit at Amsterdam, who provided us with lists of remarks and corrections.

We are now aware that the Basic Operator Theory book should be revised so that it may suitably fit in with our present volumes. This revision is planned to be the last step of an induction and not the first.

We gratefully acknowledge the support from the mathematics departments of Tel Aviv University, the University of Maryland at College Park, and the Vrije Universiteit at Amsterdam, which enabled us to visit and confer with each other. We also thank the Nathan and Lillian Silver Chair in Mathematical Analysis and Operator Theory for its financial assistance.

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