

PART II
CLASSES OF COMPACT OPERATORS

This part contains the basic elements of the theory of non-selfadjoint compact operators. The topics are singular values (Chapter VI), trace and determinant (Chapter VII), Hilbert-Schmidt operators (Chapter VIII), evaluation of the resolvent and completeness theorems (Chapters VII, VIII and X). Some of the results are illustrated for integral operators with semi-separable kernel functions (Chapter IX). One of the main aims is to obtain the results (whenever possible) by a limit procedure from the corresponding results for matrices.