

PART I
GENERAL SPECTRAL THEORY

This part is devoted to elements of spectral theory that can be applied to arbitrary bounded operators regardless of the class they belong to. Three main topics are discussed, namely separation of spectra and functional calculus (Chapters I and IV), isolated eigenvalues of finite type which behave like eigenvalues of matrices (Chapter II), and analytic equivalence of operators for the case when the spectral parameter is linear as well as for nonlinear dependence (Chapter III). The spectral theory for bounded selfadjoint operators, which is the main topic of Chapter V, is presented here as a further refinement of the spectral separation theorems of F. Riesz.