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Nota di contenuto	Frontmatter -- Preface -- Introduction -- List of Designations -- Contents -- Chapter 1. Indefinite inner product spaces. Linear operators. Interpolation -- Chapter 2. Spectral theory for linear selfadjoint pencils -- Chapter 3. Elliptic eigenvalue problems with an indefinite weight function -- Chapter 4. Operator-differential equations -- Bibliography -- Index
Sommario/riassunto	This monograph describes mathematical methods applicable to studying nonclassical problems of mathematical physics. The emphasis of the book is on applications of the interpolator theory of Banach spaces to the theory of linear operators to be exponentially dichotomous, to some continuity properties of linear operators in Hilbert scales, to the Riesz basis property of eigenelements and associated elements of linear pencils and the corresponding elliptic problems with indefinite weight functions, and to studying nonclassical boundary value problems for first order operator-differential equations.