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SPECTRAL THEORY OF MULTIPARAMETRER SYSTEM, POLYNOMIALLY DEPENDING ON PARAMETERS

Abstract

For a parameter system polynomially depending on all the parameters acting on a separable Hilbert space, the possibility of separation of the spectrum and coincidence of the root subspace of this system with the root subspaces of operators Γ_i that are well known in multiparameters references are proved under fulfilling the independence condition of the system.