CHARACTERISATION OF SPECIAL SUBSPACE

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Abstract

I have explained a subspace of $\mathbb{C}^{N^d}$ which is introduced in ' On isospectral potentials on discrete lattice' by T. Kappeler in 1989. Dimension of this subspace is obtained by defining interesting matrix in $M(d \times N, \mathbb{C})$. A perfect characterisation is proved which is correction to the result given by T. Kappeler.

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Key Words : *Subspace, Dimension, Kernel, Lattice, Bloch spectra, Laplacian.*