



A NOTE ON INVARIANT SUBSPACES OF QUASINILPOTENT AND PARANORMAL OPERATORS IN HILBERT SPACE

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Abstract

In this paper, we show that a quasinilpotent operator T of a Hilbert space H has a nontrivial invariant subspace. It is also shown that a paranormal operator T on a Hilbert space H has a nontrivial invariant space T has a nontrivial invariant subspace if it satisfies the decomposition property.

Keywords and phrases: invariant subspaces, Nilpotent operators, Quasinilpotent operators, paranormal operators, Bishop's property, decomposition property.

