Operators and Matrices
Volume 5, Number 3 (2011), 417–423

QUASI–SIMILAR k–PARANORMAL OPERATORS

B. P. DUGGAL AND C. S. KUBRUSLY

Abstract. It is proved in this paper that k-paranormal operators satisfy (Bishop's) property (β); and also that if S and T are k-paranormal contractions such that the completely non-unitary part S_c of S has finite multiplicity, then S is quasi-similar to T if and only if their unitary parts are unitarily equivalent and their completely non-unitary parts are quasi-similar. This generalizes a result of W.W. Hastings [4] on subnormal operators and P.Y. Wu [11] on hyponormal operators.

Mathematics subject classification (2010): Primary 47A45, Secondary 47B20.
Keywords and phrases: Hilbert space operators, k-paranormal operators, quasi-similarity.

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Paper OaM-05-29