ON \((p,k)\)-QUASIHYPONORMAL OPERATORS

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Abstract. An operator \(T\) is called \((p,k)\)-quasihyponormal if \(T^{+k}(|T|^2p - |T^*|^2p)T^k \geq 0\), \((0 < p \leq 1; k \in \mathbb{Z}^+)\), which is a common generalization of \(p\)-quasihyponormality and \(k\)-quasihyponormality. In this paper we consider the Putnam’s inequality, the Berger-Shaw’s inequality, the Weyl’s theorem and the tensor product for \((p,k)\)-quasihyponormal operators.

Key words and phrases: \((p,k)\)-quasihyponormal, Weyl’s theorem, tensor product.

REFERENCES