ON p–QUASIHYPONORMAL OPERATORS AND QUASISIMILARITY

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Abstract. In this paper we show some structural properties of a p-quasihyponormal operator via Löwner-Heinz inequality and Hansen inequality. As important applications, it is shown that the normal parts of quasisimilar injective p-quasihyponormal operators are unitarily equivalent and quasisimilar injective p-quasihyponormal operators have same spectra and essential spectra.

Key words and phrases: p-quasihyponormal operator, quasisimilarity.

REFERENCES