HEINZ AND MCINTOSH INEQUALITIES, ALUTHGE TRANSFORMATION AND THE SPECTRAL RADIUS

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Abstract. Employing Heinz and McIntosh inequalities, this paper presents a simplified proof of Yamazaki's characterization of the spectral radius: If T_n is the n-th Aluthge transformation of a bounded linear operator T, then the sequence $\{||T_n||\}_{n=0}^{\infty}$ converges to the spectral radius of T.

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