ON SOME HILBERT–PACHPATTE INEQUALITIES WITH ALTERNATING SIGNS

TSERENDORJ BATBOLD

Abstract. Motivated by the results of Zhao and Cheung, we deduce a Hilbert-Pachpatte inequality with alternating signs involving non-homogeneous kernels. We also obtain a generalization of a related result known from the literature.


Keywords and phrases: Szegö’s inequality, Hilbert-Pachpatte inequality, Hölder inequality, Gamma function.

REFERENCES