IMPROVED YOUNG AND HEINZ INEQUALITIES
WITH THE KANTOROVICH CONSTANT

WENSHI LIAO AND JUNLIANG WU

Abstract. In this article, we study the further refinements and reverses of the Young and Heinz inequalities with the Kantorovich constant. These modified inequalities are used to establish corresponding operator inequalities on a Hilbert space and Hilbert-Schmidt norm inequalities.


Keywords and phrases: Young inequality, Heinz mean, Kantorovich constant, operator inequalities.

REFERENCES