

REFINEMENTS AND REVERSES OF YOUNG TYPE INEQUALITIES

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Abstract. Recently, some Young type inequalities have been promoted. The purpose of this paper is to give further refinements and reverses to them. Meanwhile, on the base of the scalars results, we obtain some corresponding operator inequalities and matrix versions including Hilbert-Schmidt norm, unitarily invariant norm, trace norm, which can be regarded as an application of the scalar inequalities.

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