

ON FURTHER REFINEMENTS OF YOUNG–TYPE INEQUALITIES WITH KANTOROVICH CONSTANT

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Abstract. In this paper, we further study the Young-type inequalities by dividing the interval $[0, 1]$ into m equal parts. Particularly, we obtain some squared forms of refined Young-type inequalities with Kantorovich constant. As applications, the corresponding operator version, as well as inequalities involving Hilbert-Schmidt norm, unitarily invariant norms and traces are given.

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