ANDO-HIAI TYPE INEQUALITIES FOR DEFORMED MEANS

YUKI SEO

A workshop in honor of the 70th birthday of Muneo Cho

Abstract

In this talk, for an n-tuple of positive invertible operators on a Hilbert space, we present Ando–Hiai type inequalities for deformed means from an n-variable operator mean by an operator mean. As an application, we show Ando–Hiai type inequalities for the operator power mean in terms of the generalized Kantorovich constants under the operator order.

References

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