

Seo, Yuki**Fiedler-Ando theorem for Ando-Li-Mathias mean of positive operators.** (English)[Zbl 06820447](#)[Nihonkai Math. J. 27, No. 1-2, 59-65 \(2016\)](#)

Summary: In this paper, we show several operator inequalities involving the Hadamard product and the Ando-Li-Mathias mean of n positive operators on a Hilbert space, which are regarded as n -variable versions of the Fiedler-Ando theorem. As an application, we show an n -variable version of Fiedler type inequality via the Ando-Li-Mathias mean.

MSC:[47A64](#) Operator means involving linear operators, shorted linear operators, etc.[47A63](#) Linear operator inequalities[47A80](#) Tensor products of linear operators**Keywords:**[Ando-Li-Mathias mean](#); [Hadamard product](#); [geometric mean](#)**Full Text:** [Euclid](#)