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ON f -CONNECTIONS OF POSITIVE DEFINITE MATRICES

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This paper is dedicated to Professor Tsuyoshi Ando

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ABSTRACT. In this paper, by using Mond-Pečarić method we provide some inequalities for connections of positive definite matrices. Next, we discuss specifications of the obtained results for some special cases. In doing so, we use α -arithmetic, α -geometric and α -harmonic operator means.

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