

This is a review text file submitted electronically to MR.

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Author: This line will be completed by the MR staff.

Short title: This line will be completed by the MR staff.

Control number: 2024445

Primary classification: 15A42

Secondary classification(s): 92E10 81V45

Review text:

A strongly application-oriented exercise in linear algebra: Two N -dimensional Hermitian matrices A and B with no common eigenvectors are considered. Certain mean values of their difference/sum are positive (= two theorems), with interesting consequences in the density-functional formalism of quantum chemistry.