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Another Version of Anderson's Inequality in the Ideal of all Compact Operators

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Abstract:

This note studies how certain problems in quantum theory have motivated some recent research in pure Mathematics in matrix and operator theory. The mathematical key is that of a commutator. We introduce the notion of the pair *(A,B)* of operators having the Fuglede-Putnam's property in the ideal of all compact operators. The characterization of this class leads us to generalize some recent results. We also give some applications of these results.

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