Sherman like theorems for C^*-algebras

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In this work, Sherman like theorems are discussed. Sherman's inequality is generalized from scalars to self-adjoint operators in C^*-algebras. To this end the method of pre-majorization for operators is applied. A general result in a matrix setting is demonstrated. Special cases of the main theorem are presented. In particular, a Hardy-Littlewood-Pólya-Karamata like inequality for self-adjoint operators is established. Finally, some results by Moslehian et al., Choi and Davis are obtained.

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Literatura

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