HOMOMORPHISMS AND DERIVATIONS ON UNITAL $C^*$—ALGEBRAS RELATED TO CAUCHY–JENSEN FUNCTIONAL INEQUALITY

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Abstract. In this paper, we investigate homomorphisms from unital $C^*$—algebras to unital Banach algebras and derivations from unital $C^*$—algebras to Banach $A$—modules related to a Cauchy–Jensen functional inequality.


Keywords and phrases: Hyers–Ulam stability, unital $C^*$—algebras, unitary group, homomorphisms, derivations.

REFERENCES