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SUPERSTABILITY OF MULTIPLIERS AND RING DERIVATIONS ON BANACH ALGEBRAS

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This paper is dedicated to Professor Th. M. Rassias.

Submitted by P. K. Sahoo

ABSTRACT. In this paper, we will consider Hyers–Ulam–Rassias stability of multipliers and ring derivations between Banach algebras. As a corollary, we will prove superstability of ring derivations and multipliers. That is, approximate multipliers and approximate ring derivations are exact multipliers and ring derivations.

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