

ULAM–HYERS–RASSIAS STABILITY OF A NONLINEAR STOCHASTIC INTEGRAL EQUATION OF VOLTERRA TYPE

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Abstract. The aim of this paper is to give some Ulam-Hyers-Rassias stability results for Volterra-type stochastic integral equations. The argument makes use of Gronwall lemma and Banach's fixed point theorem.

Mathematics subject classification (2010): 60H20, 34K20, 26D10, 46C05.

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