REMARKS ON ULAM STABILITY
OF THE OPERATORIAL EQUATIONS

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Abstract. In this paper we present four types of Ulam stability for operatorial equations: Ulam-Hyers stability, generalized Ulam-Hyers stability, Ulam-Hyers-Rassias stability and generalized Ulam-Hyers-Rassias stability. The relations of Ulam stability with the c-weakly Picard operators are also studied. Some examples and counterexamples are given.

Key Words and Phrases: Ulam-Hyers stability, Ulam-Hyers-Rassias stability, fixed point equation, coincidence point equation, integral equation, differential equation, difference equation, operatorial inclusions.

2000 Mathematics Subject Classification: 47H10, 54H25, 45N05, 39A11.

References


Received: 10. 02. 2009; Accepted: 02. 06. 2009.