

## ULAM STABILITY OF SOME VOLTERRA INTEGRAL EQUATIONS

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**Abstract.** In this paper we investigate some new applications of the Gronwall lemmas to Ulam stability of some Volterra integral equations in higher dimensions. In this case we present two types of Ulam stability for Volterra integral equations: Ulam-Hyers stability and Ulam-Hyers-Rassias stability.

**Key Words and Phrases:** Volterra integral equations, Picard operators, abstract Gronwall lemmas, Ulam-Hyers stability, Ulam-Hyers-Rassias stability.

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