

ON THE HYERS–ULAM–RASSIAS STABILITY OF A GENERAL CUBIC FUNCTIONAL EQUATION

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Abstract. In this paper, we solve the generalized Hyers-Ulam-Rassias stability problem for a cubic functional equation $f(x + 2y) + f(x - 2y) + 6f(x) = 4f(x + y) + 4f(x - y)$ in the spirit of Hyers, Ulam, Rassias and Gävruta.

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