

A general fixed point method for the stability of the monomial functional equation

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ABSTRACT.

In this paper, we extend the ideas in [Cădăriu, L. and Radu, V., *A general fixed point method for the stability of Jensen functional equation*, Bull. Şt. Univ. Politehnica Timișoara, Ser. Mat.-Fiz. **51(65)** (2006), No. 2, 63–72] to obtain some general stability results for monomial functional equations in β -normed spaces. The fixed point alternative together the error estimations for generalized contractions of type Bianchini-Grandolfi are pointed out, and then used as fundamental tool. Some applications and examples which emphasize the very general hypotheses, are also given.

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