

Brzdęk, Janusz**On a method of proving the Hyers-Ulam stability of functional equations on restricted domains.** (English) [Zbl 1175.39014](#)

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Summary: We show that generalizations of some (classical) results on the Hyers-Ulam stability of functional equations, in several variables, can be very easily derived from a simple result on stability of a functional equation in a single variable.

MSC:**39B82** Stability, separation, extension, and related topics for functional equationsCited in **29** Documents**39B52** Functional equations for functions with more general domains and/or ranges**20L05** Groupoids (i.e. small categories in which all morphisms are isomorphisms)**Keywords:**

functional equations; square symmetric groupoid; complete metric; semigroup; Cauchy equation; Jensen equation; quadratic equation; Hyers-Ulam stability

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