

Lee, Eun Hwi

On the solution and stability of the quadratic type functional equations. (English)

Zbl 1101.39307

Commun. Korean Math. Soc. 19, No. 3, 477-493 (2004).

Summary: We prove the solution and stability of the quadratic type functional equations with two variables

$$4f\left(\frac{x-2y}{2}\right) + f(x) + 2f(y) = 8f\left(\frac{x-y}{2}\right) + f(2y)$$

and

$$f(x-2y) + f(x) + 2f(y) = 2f(x-y) + f(2y).$$

MSC:

39B82 Stability, separation, extension, and related topics for functional equations

Cited in 1 Document

39B52 Functional equations for functions with more general domains and/or ranges

Keywords:

quadratic functional equation; stability

Full Text: [DOI](#)