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The stability of a functional equation of multiplicative derivation type. (English)

[Zbl 1153.39032](#)

Math. Inequal. Appl. 11, No. 3, 563-569 (2008).

The authors study the stability in the sense of R. Ger of the functional equation

$$f(xy) = M(x)f(y) + M(y)f(x) \quad (x, y \in (0, \infty))$$

of multiplicative derivation type, where $M : (0, \infty) \rightarrow (0, \infty)$ is a multiplicative function. This functional equation was introduced by *G. Maksa* and *Z. Páles* [*Acta Math. Acad. Paedagog. Nyházi. (N.S.)* 17, 107–112 (2001; [Zbl 1004.39022](#))].

Reviewer: [Mohammad Sal Moslehian \(Mashhad\)](#)

MSC:

[39B82](#) Stability, separation, extension, and related topics for functional equations

[39B22](#) Functional equations for real functions

Keywords:

[multiplicative derivation](#); [stability in the sense of Ger](#)

Full Text: [DOI](#)