ON THE RASSIAS STABILITY OF A BI–JENSEN FUNCTIONAL EQUATION

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Abstract. In this paper, we investigate the stability of a bi-Jensen functional equation

\[ 4f\left(\frac{x+y}{2}, \frac{z+w}{2}\right) = f(x, z) + f(x, w) + f(y, z) + f(y, w) \]

in the sense of Th. M. Rassias. Also, we establish the superstability of a bi-Jensen functional equation.

Key words and phrases: Stability, Jensen mapping, bi-Jensen mapping, functional equation.

REFERENCES