

STABILITY OF THE n -DIMENSIONAL MIXED-TYPE ADDITIVE AND QUADRATIC FUNCTIONAL EQUATION IN NON-ARCHIMEDEAN NORMED SPACES, II

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Abstract. In this paper, we prove the stability of the functional equation

$$\sum_{1 \leq i, j \leq n, i \neq j} (f(x_i + x_j) + f(x_i - x_j)) = (n-1) \sum_{i=1}^n (3f(x_i) + f(-x_i))$$

in non-Archimedean normed spaces.

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