

Approximate multi-Jensen and multi-quadratic mappings in 2-Banach spaces

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ABSTRACT.

In this paper we prove the generalized Hyers-Ulam stability of multi-Jensen and multi-quadratic mappings in 2-Banach spaces. The corollaries from our main results correct some outcomes from [Park, W.-G., *Approximate additive mappings in 2-Banach spaces and related topics*, J. Math. Anal. Appl., **376** (2011) 193–202].

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