STABILITY OF A FUNCTIONAL EQUATION RELATED TO DISTANCE MEASURES - II

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ABSTRACT. The present work continues the study of the stability of the functional equations of the type $f(pr, qs) + f(ps, qr) = f(p, q) f(r, s)$ namely (i) $f(pr, qs) + f(ps, qr) = g(p, q) g(r, s)$, and (ii) $f(pr, qs) + f(ps, qr) = g(p, q) h(r, s)$ for all $p, q, r, s \in G$, where G is an abelian group. These functional equations arise in the characterization of symmetrically compositive sumform distance measures.

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