Gordji, Madjid Eshaghi; Kim, Gwang Hui; Lee, Jung Rye; Park, Choonkil
Nearly generalized derivations on non-Archimedean Banach algebras: a fixed point approach. (English) [Zbl 1283.39009]

Authors’ abstract: Using a fixed point method, we prove the stability of generalized derivations on non-
Archimedean Banach algebras associated to the Jensen functional equations.

Reviewer: Jens Schwaiger (Graz)

MSC:
39B82 Stability, separation, extension, and related topics for functional equations
39B52 Functional equations for functions with more general domains and/or ranges
46S10 Functional analysis over fields other than R or C or the quaternions; non-Archimedean func-
tional analysis
46L57 Derivations, dissipations and positive semigroups in C*-algebras

Keywords:
Jensen functional equation; generalized derivation; Hyers-Ulam stability; non-Archimedean Banach alge-
bra; fixed point method