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A NOTE ON THE ULAM STABILITY OF RECIPROCAL DIFFERENCE AND ADJOINT FUNCTIONAL EQUATIONS

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In this note, we would like to bring out some more assumptions that should be incorporated in the statement of the Theorems and Proofs of the paper [1].

1. Throughout the paper [1], assume Y is the real Banach space. Therefore, the Cauchy sequences in Theorems 3.1, 4.1, 5.1, 5.2, 5.2, 5.3, 5.4, 6.1, 6.2, 7.1, 7.2, 7.3, 7.4, 8.1 and 8.2 converge.
2. Assume $y \neq -x$, for all $x, y \in X$ in Theorems 2.1, 3.1, 4.1, 5.1, 5.2, 5.3, 5.4, 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 7.4, 8.1 and 8.2.
3. Also assume $y \neq -x$, $f(x) + f(y) \neq 0$, for $x, y \in X$ in the equations (1.1), (1.2), (1.3), (2.3), (2.6) and in the inequalities (3.1), (4.1), (5.1), (5.9), (5.15), (5.24), (6.1), (6.9), (7.1), (7.6), (7.11), (7.17), (8.1), (8.6).
4. Further assume $y \neq -x$, $f(2^{-n}x) + f(2^{-n}y) \neq 0$, for $x, y \in X$ in the inequalities (3.7), (5.7), (5.22) and (6.7).
5. In all the Theorems, assume $f(x) \neq 0$, for all $x \in X$. By this assumption, we can prove the inequality (3.5) [In Theorem 3.1, Page 4, line 6 of [1]].
6. By the above assumption, the inequalities (4.5), (5.5), (5.13), (5.20), (5.29), (6.5), (6.13), (7.5), (7.10), (7.16), (7.22), (8.5) and (8.10) are true.

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