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REMARKS ON LIPSCHITZIAN MAPPINGS AND SOME FIXED POINT THEOREMS

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This paper is devoted to Professor Themistocles M. Rassias.

Submitted by L. Székelyhidi

ABSTRACT. Let X, Y be the normed spaces, $C \subset X$ a convex set, and $T : C \rightarrow Y$ a continuous mapping. Some weak conditions implying the Lipschitz continuity of T are presented. Applications to the fixed point theory and theory of composition operators are presented.

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