

FIXED POINTS FOR PERTURBED CONTRACTIONS

DINU TEODORESCU

Valahia University of Târgoviște, Department of Mathematics
Bd. Unirii 18, 130082, Târgoviște, Romania.
E-mail: dteodorescu2003@yahoo.com

Abstract. It is proved a fixed point result for an operator of the form $T - F$, where T is a strict contraction and F is a nonlinear Lipschitz monotone operator.

Key Words and Phrases: Strict contraction, perturbation, Lipschitz monotone operator, strongly monotone operator, Banach fixed point theorem, unique fixed point, averaged operator, Picard operator.

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