## The theory of some asymptotic fixed point theorems

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## ABSTRACT.

In this paper we present the theory about some fixed point theorems for convex contraction mappings. We give some results on data dependence of fixed points, on sequences of operators and fixed points, on well-possedness of fixed point problem, on limit shadowing property and on Ulam-Hyers stability for equations of fixed points.

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Received: 06.10.2013; In revised form: 24.03.2014; Accepted: 20.10.2014 2010 Mathematics Subject Classification. 47H10, 54H25.

Key words and phrases. Fixed point, Picard operator, weakly Picard operator, Bessaga operator, Janos operator, data dependence, sequences of operators and fixed points, well-possedness problem, limit shadowing property, Ulam stability.

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