

Research Article

Approximate Endpoints for Set-Valued Contractions in Metric Spaces

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Received 18 March 2010; Accepted 26 April 2010

Academic Editor: Mohamed Amine Khamsi

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The existence of approximate fixed points and approximate endpoints of the multivalued almost I -contractions is established. We also develop quantitative estimates of the sets of approximate fixed points and approximate endpoints for multivalued almost I -contractions. The proved results unify and improve recent results of Amini-Harandi (2010), M. Berinde and V. Berinde (2007), Ćirić (2009), M. Păcurar and R. V. Păcurar (2007) and many others.