FIXED POINT THEOREMS FOR SET-VALUED MAPPINGS IN b-METRIC SPACES

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Abstract. We will establish set-valued version of Suzuki's fixed point theorem when the underling space is a complete b-metric. Our method enable us to prove set-valued versions of Hardy-Rogers and Ĉirić fixed point theorems for b-metric spaces.
Key Words and Phrases: contraction-type mappings, fixed point theorems, set-valued functions.
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