ON THE EXISTENCE OF A FUZZY INTEGRAL EQUATION OF URYSOHN-VOLTERRA TYPE

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Abstract

We present an existence theorem for integral equations of Urysohn-Volterra type involving fuzzy set valued mappings. A fixed point theorem due to Schauder is the main tool in our analysis.

Keywords and phrases: fuzzy integral equation, Urysohn-Volterra, Hausdorff metric, Schauder fixed point theorem.

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References


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