

ON PERIODIC BOUNDARY VALUE PROBLEMS OF FIRST ORDER DISCONTINUOUS IMPULSIVE DIFFERENTIAL INCLUSIONS

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Abstract. In this paper we prove existence results for extremal solutions of the first order discontinuous impulsive differential inclusions with periodic boundary conditions and impulses at the fixed times under certain monotonicity conditions of the multi-valued functions.

Key Words and Phrases: Discontinuous impulsive differential inclusion, existence theorem, extremal solutions.

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