

MULTIPLE POSITIVE SOLUTIONS OF BOUNDARY VALUE PROBLEMS FOR P-LAPLACIAN IMPULSIVE DYNAMIC EQUATIONS ON TIME SCALES

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Abstract. In this paper, by using the classical fixed-point index theorem for compact maps and Leggett-Williams fixed point theorem, some sufficient conditions for the existence of multiple positive solutions for a class of second-order p -Laplacian boundary value problem with impulse on time scales are established. We also give an example to illustrate our results

Key Words and Phrases: Impulsive dynamic equation, p -Laplacian, positive solutions, fixed point theorems, time scales.

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