

BOUNDARY VALUE PROBLEMS FOR FIRST ORDER PARAMETRIZE DIFFERENTIAL EQUATIONS WITH PIECEWISE CONSTANT ARGUMENTS

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Abstract. In this paper, by means of the method of upper and lower solutions and the monotone iterative technique, the existence of maximal and minimal solutions of the boundary value problem for first order parametrized differential equation with piecewise constant arguments is considered.

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Key words and phrases: parametrized differential equation with piecewise constant arguments; upper and lower solutions; monotone iterative technique; comparison inequality.

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