

NONLOCAL PROBLEMS FOR DELAY INTEGRODIFFERENTIAL EQUATIONS IN BANACH SPACES

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Abstract. In this paper we study the existence of mild solutions for a class of first-order delay integrodifferential equations with nonlocal condition in a Banach space. The results are established by the application of the theory of resolvent operators, the contraction mapping principle and the Schaefer theorem. An example is presented in the end to show the applications of the obtained results.

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