REGULARITY FOR SOLUTIONS OF NONLINEAR RETARDED FUNCTIONAL DIFFERENTIAL EQUATIONS

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Abstract. This paper deals with the existence and uniqueness of solutions for the nonlinear functional differential equations with time delay. The regularity and a variation of constant formula for solutions of the given equations are also studied.

Mathematics subject classification (2010): 35F25, 35K55. *Keywords and phrases*: Nonlinear differential equation, monotone operator, existence, regularity.

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