

Continuity-Differentiability of a Solution of the Neutral Functional-Differential Equation with Respect to Initial Data and their Application in Optimal Problems

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- 1) Continuity-differentiability of a solution of the ordinary differential equation with respect to parameter
- 2) An optimal problem. The critical element
- 3) Gamkrelidze-Kharatishvili's theorem
- 4) Continuity-differentiability of a solution of the neutral functional-differential equation with respect to initial data
- 5) Optimal control of the neutral functional-differential equation: necessary conditions of optimality