

Sensitivity Analysis for Some Classes of Functional-Differential Equations

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Sensitivity analysis is one of the wide-spread way of the qualitative estimation of a mathematical model. For example, it allows one to define dependence of virus concentration on the model parameters in the G. Marchuk's immune response model. Sensitivity analysis consists in finding of connection between solutions of the original and perturbed models (differential equations).

In the talk, for sensitivity analysis of some classes of functional-differential equations needful formulas-variation formulas of solution are obtained .

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