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TÓM TẮT:

This paper addresses the problem of optimal control of a distributed - parameter system with time delay.

Our purpose is to minimize the deviation of the temperature distribution from the assigned distribution at a given time T . This system is applied for controlling the heating process.

Our approach is to replace the minimization of a functional by the minimization of a function of multiple variables. The numerical solutions can be obtained by using the nonlinear or linear programming techniques.