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Reza R Ahangar* (reza.ahangar@tamuk.edu), P. O. Box 790, Kingsville, TX 78364. *Global Solutions to Optimal Automatic Control Systems.*

Abstract:

A nonanticipating operator of optimal automatic control system is developed. Conditions for existence and uniqueness of the solution for automatic control systems are provided. The global solution to the optimal automatic control of nonlinear nonanticipating dynamical systems is investigated. (Received August 24, 2014)