
This paper deals with the global stabilization for a class of nonlinear hybrid control systems with time-varying delay. Using Lyapunov-Razumikhin functional approach combined with Newton-Leibniz formula, neither restriction on the derivative of time-delay function nor bound restriction on nonlinear perturbations is required to design switching rule for exponential stabilization of nonlinear switched systems with time-varying delays. The conditions are presented in terms of the solution of some matrix inequality equations (Received September 03, 2008)