

[Amemiya, Takashi](#)

A stabilizing control for a class of uncertain delay systems with limited measurable state variables. (English) [Zbl 0881.93068](#)

[Dyn. Control](#) 7, No. 3, 235-262 (1997).

The paper presents an observer based output feedback design for a class of uncertain delay systems with two outputs. The systems in the class contain certain nonlinearities and time-varying delays. The authors show that their control law is stabilizing in the sense that all solutions of the feedback system are bounded.

Reviewer: [H.Logemann \(Bath\)](#)

MSC:

[93D15](#) Stabilization of systems by feedback

[34K35](#) Control problems for functional-differential equations

[93D05](#) Lyapunov and other classical stabilities (Lagrange, Poisson, L^p , l^p , etc.) in control theory

[93C99](#) Model systems in control theory

Cited in 4 Documents

Keywords:

[stabilization](#); [robust control](#); [output feedback](#); [time-varying delays](#)

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