

Robust Observer Design for Time-Delay Systems: A Riccati Equation Approach.

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Abstract: In this paper, a method for H_∞ observer design for linear systems with multiple delays in state and output variables is proposed. The designing method involves attenuating of the disturbance to a pre-specified level. The observer design requires solving certain algebraic Riccati equation. An example is given in order to illustrate the proposed method.

Keywords:

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