ROBUST STABILITY OF SINGULAR SYSTEMS
WITH STATE DELAY

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Abstract
In this paper, we consider the problem for singular systems with state delay. We mainly focus on the problems of absolute delay-dependent stability using the Lyapunov function method and give sufficient conditions in terms of linear matrix inequality (LMI). A numerical example is given to illustrate the application of the proposed method.

Keywords and phrases: singular system, shurs complement, robust stability.

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References