

论文

ROBUST STABILIZATION OF SYSTEM WITH NUMERATORAL FACTOR PERTURBATION

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摘要 In this paper we study the robust stabilization problems of systems with numeratoral factor perturbations, and give a necessary and sufficient condition for the existence of robust stabilization controller. The maximal permitted perturbation radius is derived of the nominal system with the form of $G = \tilde{M}^{-1} \tilde{N}$ in $R L_{\infty}$. Lastly the statespace solution of the parametrized formula of the controller is obtained, through solving the sub-optimal Nehari's problem.

关键词 [Numeratoral factor perturbation, robust](#)

分类号

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Key words [Numeratoral factor perturbation](#) [robust stabilization](#) [robust controller](#)

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