论文

Output Feedback Control for Mimo Nonlinear Systems with Supporting info **Exogenous Signals**

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摘要 The paper addresses the global output tracking of a class of multi-input multi-output (MIMO) nonlinear systems affected by disturbances, which are generated by a known exosystem. An adaptive controller is designed based on the proposed observer and the backstepping approach to asymptotically track arbitrary reference signal and to guarantee the boundedness of all the signals in the closed loop system. Finally, the numerical simulation results illustrate the effectiveness of the proposed scheme.

关键词 Backstepping method, exogenous signals,

分类号

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Key words Backstepping method exogenous signals multi-input multi-output nonlinear output feedback control

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