

论文

ON LOCAL STABILIZATION OF NONLINEAR CONTROL SYSTEMS

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摘要 Based on the notion of maximal absolute observability and its normalforms, a new method for studying the local stabilization for a kind of nonlinear control systems is established. Different from the previous results given by Byrnes-Isitori and others, this new method can deal with more general systems, and has much simpler way to prove the stabilization conditions and to design the feedback laws.

关键词 [Nonlinear control, absolute observability](#)

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Key words [Nonlinear control](#) [absolute observability](#) [zero dynamics](#) [minimum phase](#)

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