

论文

STATE FEEDBACK STABILIZATION OF PLANE SYSTEMS

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摘要 The problem of state feedback stabilization of control systems is tackled in this paper. The stabilizability of the plane control systems with critical spectrum is considered, By using therecently developed center manifold method combined with Liapunov second method, it is shownthat in all critical cases the above mentioned systems are state feedback stabilizable.

关键词 [Nonlinear system, stabilization, center](#)

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Key words [Nonlinear system](#) [stabilization](#) [center manifold](#) [Liapunov second method](#)

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