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## 兰维瑶 [教授]

### 承担项目

NO. 1	具有未建模动态的一类非线性系统的鲁棒自适应控制，国家自然科学基金项目（2007.1-2009.12），项目批准号：60674037，项目负责人：王丹。
NO. 2	一类非最小相位非线性系统的H无穷控制问题研究，国家自然科学基金项目（2008.1-2010.12），项目批准号：60704042，项目负责人：兰维瑶。
NO. 3	复合非线性反馈控制在伺服控制问题中的应用，福建省自然科学基金项目（2008.5-2011.4），项目批准号：2008J0033，项目负责人：兰维瑶。
NO. 4	基于复合非线性反馈的非线性伺服控制问题研究，国家自然科学基金项目（2011.01-2013.12），项目批准号：61074004，项目负责人：兰维瑶。

### 著作论文

NO. 1	D. Lin, W. Lan, and M. Li, "Composite nonlinear feedback control for linear singular systems with input saturation," Systems and Control Letters, vol. 60, no. 10, pp. 825-831, 2011.
NO. 2	W. Lan and J. Huang. "Semi-global stabilization and output regulation for linear singular systems with input saturation," IEEE Transactions on Automatic Control, Vol. 48, No. 7, pp. 1274-1280, 2003.
NO. 3	W. Lan and J. Huang. "On the discrete-time robust nonlinear servomechanism problem," Communications in Information and Systems, Vol. 3, No. 2, pp. 75-100, October 2003.
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NO. 5	W. Lan, Z. Chen and J. Huang, "Semi-global robust output regulation for nonlinear systems in normal form using output feedback," Communications in Information and Systems, Vol. 5, No. 4, pp. 285 - 400, 2005.
NO. 6	W. Lan, Ben M. Chen and Y. J. He, "On improvement of transient performance in tracking control for a class of nonlinear systems with input saturation," Systems and Control Letters, Vol. 55, No. 2, pp. 132-138, 2006.
NO. 7	W. Lan, Ben M. Chen and Z. Ding, "Adaptive estimation and rejection of unknown sinusoidal disturbances for a class of nonlinear MIMO systems," Int. J. Adapt. Contr. and Sig. Proc., 20(2), 2006.
NO. 8	Y. He, Ben M. Chen and W. Lan. "On improving transient performance in tracking control for a class of nonlinear discrete-time systems with input saturation," IEEE Transactions on Automatic Control, vol. 52, no.7, pp. 1307-1313, 2007.
NO. 9	W. Lan and J. Huang. "Neural network based approximate output regulation of discrete-time nonlinear systems," IEEE Transactions on Neural Networks, vol. 18, no.4, pp. 1196-1208, 2007.
NO. 10	W. Lan and B. M. Chen, F. L. Lewis "Explicit constructions of global stabilization and nonlinear H <sub>∞</sub> control law for a class of nonminimum phase ...," International Journal of Robust and Nonlinear Control, vol. 18, pp.1257-1284, 2008.
NO. 11	W. Lan and Ben M. Chen. "Explicit construction of H <sub>∞</sub> control law for a class of ...," Automatica, vol.44, no. 3, pp.738-744, 2008.
NO. 12	D. Wang and W. Lan, "Adaptive neural control for a class of uncertain nonlinear systems with unknown time delay," International Journal of Robust and Nonlinear Control, vol.19, no.7, pp.807-821, 2009.
NO. 13	D. Wang, J. L. Huang, W. Lan, and X. Q. Li, "Neural network based robust adaptive control of nonlinear systems with unmodeled dynamics," Mathematics and Computers in Simulation, vol. 79, no. 5, pp. 1745-1753, 2009.
	W. Lan and Dan Wang, "Structural design of composite nonlinear feedback control for

NO. 14	linear systems with actuator constraint," Asian Journal of Control, vol. 12, no. 5, pp. 616-625, 2010.
NO. 15	W. Lan, C. K. Thum, and B. M. Chen, "A hard disk drive servo system design using composite nonlinear feedback control with optimal nonlinear gain tuning methods," IEEE Transactions on Industrial Electronics, vol. 57, no. 5, pp. 1735-1745, 2010.