**References**

1. Ciccarella, G., Dalla Mora, M., Germani, A. (1993). A Luenberger-like observer for nonlinear systems. *International Journal of Control* 57(3):537-556.
2. Raghavan, S., Hedrick, J. K. (1994). Observer design for a class of nonlinear systems. *International Journal of Control* 59(2):515-528.
3. Rajamani, R. (1998). Observer for Lipschitz nonlinear systems. *IEEE Transactions on Automatic Control* 43(3):397-401.
4. Yaz, E. E., Yaz, Y. I. (2001). LMI based observer design for nonlinear systems with integral quadratic constraints. *40th IEEE Conference on Decision and Control*, Orlando, USA, 2954-2955.
5. Ha, Q. P., Trinh, H. (2004). State and input simultaneous estimation for a class of nonlinear systems. *Automatica* 40(10):1779-1785.
6. Lu, J., Feng, C., Xu, S., Chu, Y. (2006). Observer design for a class of uncertain state-delayed nonlinear systems. *International Journal of Control, Automation and Systems* 4(4):448-455.
7. Mondal, S., Chakraborty, G., Kingshook, B. (2010). LMI Approach to Robust Unknown Input Observer Design for Continuous Systems with Noise and Uncertainties. *International Journal of Control, Automation, and Systems* 8(2):210-219.
8. Oveisi, A., Nestorović, T. (2016). Robust observer-based adaptive fuzzy sliding mode controller. *Mechanical Systems and Signal Processing* 76-77(2016):58-71.
9. Darouach, M., Zasadzinski, M., Xu, S. J. (1994) Full order observers for Linear systems with unknown inputs. *IEEE Transactions on Automatic Control* 39(3):606-609.
10. Koenig D., Mammar, S. (2001). Design of a class of reduced order unknown inputs nonlinear observer for fault diagnosis. *Proceedings of the 2001 American Control Conference*, USA 2143-2147.
11. Pertew, A. M., Marquez, H. J., Zhao, Q. (2005). H∞- synthesis of unknown input observers for non-linear Lipschitz systems. *International Journal of Control* 78(15):1155-1165.
12. Koenig, D. (2006). Observer design for unknown input nonlinear descriptor systems via convex optimization. *IEEE Transactions on Automatic Control* 51(6):1047-1052.
13. Xu, J., Sun, M., Yun, L. (2008). LMI-based synthesis of robust iterative learning controller with current feedback for linear uncertain systems. *International Journal of Control, Automation and Systems* 6(2):171-179.
14. Kothare, M. V., Morari, M. (1997). Multivariable anti-windup controller synthesis using multi-objective optimization. *Proceedings of the 1997 American Control Conference*, Albuquerque, New Mexico 3093-3097.
15. Kothare, M. V., & Morari, M. (1999). Multiplier theory for stability analysis of anti-windup control systems. *Automatica* 35(5):917-928.
16. Mulder, E. F., Kothare, M. V., Morari, M. (2001). Multivariable anti-windup controller synthesis using linear matrix inequalities. *Automatica* 37(2001):1407-1416
17. Hu, T., Teel, A. R., Zaccarian L. (2006). Stability and Performance for Saturated Systems via Quadratic and Nonquadratic Lyapunov Functions. *IEEE Transactions on Automatic Control* 51(11):1770 – 1786.
18. Tarbouriech, S., Turner, M. (2009). Anti-windup design: an overview of some recent advances and open problems. *IET Control Theory & Applications* 3(1):1-19.
19. Wu, X., Lin, Z. (2014). Dynamic anti-windup design in anticipation of actuator saturation. *International Journal of Robust and Nonlinear Control* 24(2):295-312.
20. Zaccarian, L., Teel, A. R. (2000). A benchmark example for anti-windup synthesis in active vibration isolation tasks and an L2 anti-windup solution. *European Journal of Control* 6(5):405-420.
21. Teel, A. R., Zaccarianb, L., Marcinkowski J. J. (2006). An anti-windup strategy for active vibration isolation systems. *Control Engineering Practice* 14(1):17-27.
22. Oveisi, A., Nestorović T. (2016). Mu-synthesis based active robust vibration control of an MRI inlet. *Facta Universitatis, Series: Mechanical Engineering* 14(1):37-53
23. Oveisi, A., Shakeri, R. (2016). Robust reliable control in vibration suppression of sandwich circular plates. *Engineering Structures* 116(2016): 1-11.
24. Ahmadizadeh, S., Zarei, J., Karimi H. R. (2014). Robust unknown input observer design for linear uncertain time delay systems with application to fault detection. *Asian Journal of Control* 16(4):1006-1019.
25. Kothare, M. V., Campo, P. J., Morari, M., Nett, C. N. (1994). A unified framework for the study of anti-windup designs. *Automatica* 30(12):1869-1883.
26. Marcopoli, V. R., Phillips, S. M. (1996). Analysis and synthesis tools for a class of actuator-limited multivariable control systems: a linear matrix inequality approach. *International Journal of Robust and Nonlinear Control* 6(9-10):1045-1063.
27. Mulder, E. F., Kothare, M. V., Morari, M. (1999). Multivariable anti-windup controller synthesis using iterative linear matrix inequalities. *Proceedings of the 1999 European Control Conference*, Karlsruhe, Germany.
28. Mulder, E. F., Tiwarib, P. Y., Kothare, M. V. (2009). Simultaneous linear and anti-windup controller synthesis using multi-objective convex optimization. *Automatica* 45(3):805-811.
29. Teel, A. R., Kapoor, N. (1997). The L2 anti-windup problem: Its definition and solution. *Proceedings of the 1997 European Control Conference*, Brussels, Belgium.
30. Oveisi A., Nestorović T. (2014). Robust mixed H2/H8 active vibration controller in attenuation of smart beam. *Facta Universitatis, Series: Mechanical Engineering* 12(3):235-249.
31. Marinkovic, D., Koppe. H., Gabbert, U. (2009). Aspects of modeling piezoelectric active thin-walled structures. *Journal of Intelligent Material Systems and Structures* 20(15):1835-1844.
32. Tanaka, K., Wang, H. O. (2001). Fuzzy *Control Systems Design and Analysis: A Linear Matrix Inequality Approach.* Wiley-Interscience.