

REFERENCE

- Bangura, M., and Mahony, R. (2014). Real-time model predictive control for quadrotors. *IFAC Proceedings Volumes*, 47(3), 11773–11780. <https://doi.org/10.3182/20140824-6-ZA-1003.00203>
- Bouffard, P., Aswani, A., and Tomlin, C. (2012). Learning-based model predictive control on a quadrotor: Onboard implementation and experimental results. In *2012 IEEE International Conference on Robotics and Automation* (pp. 279–284). IEEE. <https://doi.org/10.1109/ICRA.2012.6225035>
- Bouabdallah, S., Noth, A., and Siegwart, R. (2004). PID vs LQ control techniques applied to an indoor micro quadrotor. In *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*.
- Camacho, E. F., and Bordons, C. (2007). *Model predictive control* (2nd ed.). Springer.
- Dharmawan, A., Ashari, A., Aprilia, A. G., and Handayani, A. M. (2018). Auto VTOL system on quadrotor using Madgwick quaternion Kalman filter and LQR. In *2018 4th International Conference on Science and Technology (ICST)* (pp. 1–6). IEEE. <https://doi.org/10.1109/ICSTC.2018.8528613>
- Dharmawan, A., Ashari, A., and Putra, A. E. (2016). Quadrotor flight stability system with Routh stability and Lyapunov analysis. *AIP Conference Proceedings*, 1700, 070007. <https://doi.org/10.1063/1.4958609>
- Euteneuer, E. A., and Papageorgiou, G. (2011). UAS insertion into commercial airspace: Europe and US standards perspective. In *2011 IEEE/AIAA 30th Digital Avionics Systems Conference* (pp. 5C5-1–5C5-12). IEEE. <https://doi.org/10.1109/DASC.2011.6096084>
- García Carrillo, L. R., Dzul López, A. E., Lozano, R., and Pégard, C. (2013). *Quad rotorcraft control: Vision-based hovering and navigation*. Springer London. <https://doi.org/10.1007/978-1-4471-4399-4>

- Iyer, C. A. (n.d.). *Model predictive control (MPC) of quadcopters using LPV techniques* [Unpublished manuscript].
- Kamel, M., Alexis, K., and Siegwart, R. (2017). Model predictive control for trajectory tracking of unmanned aerial vehicles using ROS. In A. Koubaa (Ed.), *Robot Operating System (ROS): The complete reference* (Vol. 2, pp. 3–39). Springer.
- Li, J., Chen, P., Chang, Z., Zhang, G., Guo, L., and Zhao, C. (2023). Trajectory tracking control of quadrotor based on fractional-order S-plane model. *Machines*, 11(7), 672. <https://doi.org/10.3390/machines11070672>
- Liu, Z. X., Yuan, C., Zhang, Y. M., and Luo, J. (2014). A learning-based fuzzy LQR control scheme for height control of an unmanned quadrotor helicopter. In *2014 International Conference on Unmanned Aircraft Systems (ICUAS)* (pp. 936–941). IEEE. <https://doi.org/10.1109/ICUAS.2014.6842343>
- Lopez-Sanchez, I., and Moreno-Valenzuela, J. (2023). PID control of quadrotor UAVs: A survey. *Annual Reviews in Control*, 56, 100900. <https://doi.org/10.1016/j.arcontrol.2023.100900>
- Mahony, R., Kumar, V., and Corke, P. (2012). Multirotor aerial vehicles: Modeling, estimation, and control of quadrotor. *IEEE Robotics and Automation Magazine*, 19(3), 20–32.
- Mayne, D. Q., Rawlings, J. B., Rao, C. V., and Scokaert, P. O. M. (2000). Constrained model predictive control: Stability and optimality. *Automatica*, 36(6), 789–814. [https://doi.org/10.1016/S0005-1098\(99\)00214-9](https://doi.org/10.1016/S0005-1098(99)00214-9)
- Ou, J., Guo, X., Zhu, M., and Lou, W. (2020). Autonomous quadrotor obstacle avoidance based on dueling double deep recurrent Q-learning with monocular vision. *arXiv*. <http://arxiv.org/abs/2002.03510>
- Qin, S. J., and Badgwell, T. A. (2003). A survey of industrial model predictive control technology. *Control Engineering Practice*, 11(7), 733–764. [https://doi.org/10.1016/S0967-0661\(02\)00186-7](https://doi.org/10.1016/S0967-0661(02)00186-7)

- Rawlings, J. B., and Mayne, D. Q. (2009). *Model predictive control: Theory and design*. Nob Hill Publishing.
- Rawlings, J. B., Mayne, D. Q., and Diehl, M. (2017). *Model predictive control: Theory, computation, and design* (2nd ed.). Nob Hill Publishing.
- Schwenzer, M., Ay, M., Bergs, T., and Abel, D. (2021). Review on model predictive control: An engineering perspective. *The International Journal of Advanced Manufacturing Technology*, 117(5–6), 1327–1349. <https://doi.org/10.1007/s00170-021-07682-0>
- Zhang, Y., Li, Z., and Cui, H. (2019). A novel attitude control method of quadrotor UAVs based on quaternion and Euler angles. *IEEE Access*, 7, 93789–93799. <https://doi.org/10.1109/ACCESS.2019.2928057>