

# References

- [1] International Moth Class Association, *International moth class rules*, Dec. 2024. [Online]. Available: <https://www.sailing.org/classes/moth/#Documents>.
- [2] D’Amato, E.; Notaro, I.; Piscopo, V.; Scamardella, A., “Hydrodynamic design of fixed hydrofoils for planing craft,” *J. Mar. Sci. Eng.*, vol. 11, no. 246, 2023. [Online]. Available: <https://doi.org/10.3390/jmse11020246>.
- [3] L. Larsson, R. Eliasson, and M. Orych, *Principles of yacht design*. Bloomsbury Publishing, 2022.
- [4] J. I. R. Blake, *Lecture notes on sess3027 yacht & high performance craft*, Lecture notes, 2021.
- [5] F. Fossati, *Aero-hydrodynamics and the Performance of Sailing Yachts: The Science Behind Sailing Yachts and Their Design*. London: A & C Black Publishers Ltd, 2009, p. 352, ISBN: 9781408113387.
- [6] B. Beaver and J. Zselezky, “Full scale measurements on a hydrofoil international moth,” in *SNAME Chesapeake Sailing Yacht Symposium*, 2009, D021S002R006.
- [7] A. Persson, “Predicting yacht performance in waves using a cfd velocity prediction program,” Ph.D. dissertation, Chalmers University of Technology, 2025.
- [8] L. Sampedro Moix, “Preliminary design of a racing dinghy: F18 catamaran,” B.S. thesis, EPEF, Universidade da Coruña, 2023.
- [9] F. Eggert, “Flight dynamics and stability of a hydrofoiling international moth with a dynamic velocity prediction program (dvpp),” M.S. thesis, Technische Universität Berlin, 2018.
- [10] M. Brito, “Use of gomboc to predict the performance of a hydro-foiled moth,” Yacht Research Unit, The University of Auckland, Tech. Rep., 2019.
- [11] C. Oliver and E. Gauvain, “Practical performance prediction of foil-configured monohull yachts,” in *SNAME Chesapeake Sailing Yacht Symposium*, SNAME, 2022.
- [12] L. Llamas. “Adjust pid controller on arduino.” Accessed: 2025-08-25. (2023), [Online]. Available: <https://www.luisllamas.es/en/adjust-pid-controller-arduino/>.
- [13] L. Llamas. “Control theory: Arduino pid controller.” Accessed: 2025-08-25. (2023), [Online]. Available: <https://www.luisllamas.es/en/control-theory-arduino-pid-controller/>.

- 
- [14] I. Castañeda Sabadell, “Design of a physical and interactive real-time simulator based on a dynamic vpp as a support tool for sailing yacht design and operation,” Ph.D. dissertation, ETSI Navales, Universidad Politécnica de Madrid, 2018.
  - [15] S. F. Hoerner, *Fluid-Dynamic Drag: Practical Information on Aerodynamic Drag and Hydrodynamic Resistance*. Brick Town, NJ: Hoerner Fluid Dynamics, 1965.
  - [16] “Ittc – recommended procedures and guidelines, 7.5-02-02-03: Resistance test – aerodynamic resistance test,” International Towing Tank Conference (ITTC), Copenhagen, Denmark, Tech. Rep., 2011.