

Dynamics & control



Hydrodynamics

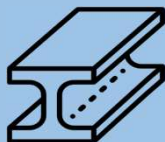


Semi-analytical

Geometry



Structures



Economics



Analytical

Runtime: 1000x faster than WEC-Sim, 10x faster than Capytaine

Accuracy: <10% dynamic error across sea states, <XX% static LCOE error

Comprehensiveness: dynamic constraints, drag, fatigue & storm load cases

Assumptions: regular linear waves, heave motion, dual-cylinder geometry

Accessibility: open-source model and validation framework