

QEA BOAT

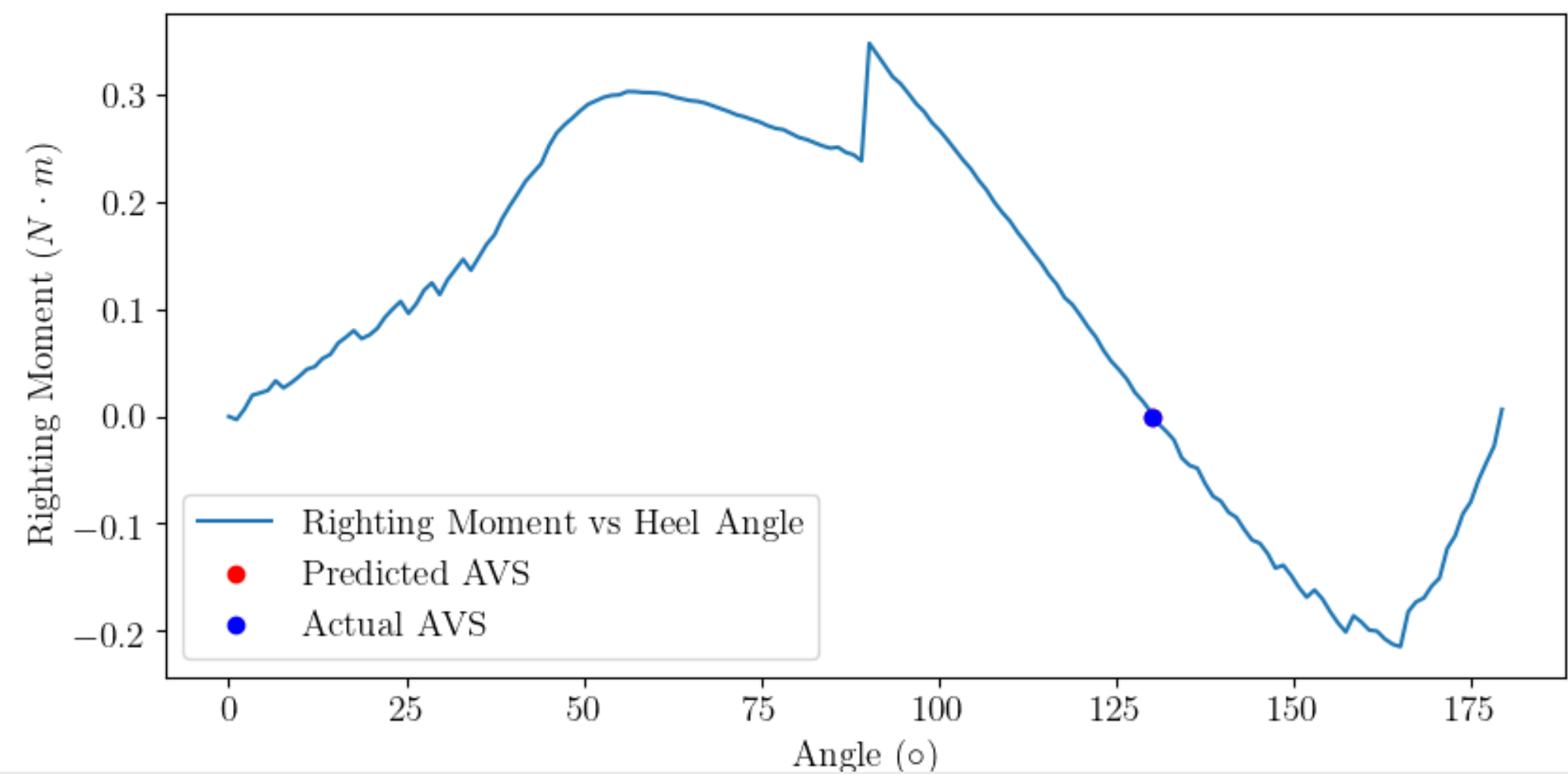
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Best Of All Time



Boat of Air Transportation

Righting Moment vs Heel Angle



Performance Considerations

- The boat has a functional keel to lower COM.
- The AVS should be 130°
- Minimize the wet surface friction
- The boat should be as long as possible

Performance of boats

The boat in terms of floating level and AVS was right on the dot. The boat cruised at around 0.7 m s^{-1} ; slow but faster than the SolidWorks simulation. The speed being faster than SolidWorks is due to the nature of fluid simulation, and the slow speed was due to wrinkles on the hull as well to a lot of wet surface area.