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Design and Testing Outline for a Free Running Model of a High Speed Craft

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Hydrodynamics of High Speed Craft is a topic of very high interest for recreational boaters and industry professionals alike. This project aims to be a first step toward conducting such experiments in exposed outdoor environments. This paper will outline a preliminary design and testing plan of a free running model of a high speed craft. The proposed free running model will be subjected to all six degrees of freedom, self-propelled, autonomously controlled, and will be exposed to weather elements.

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