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## Dirigible Anemometer Mount

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Honors Research Project Report

Matthew Stanko

Fall 2021-Spring 2022 Semesters

## **Abstract**

Airships, like any other aircraft, require sensor inputs in order to fly. One type of sensor is the anemometer. This project outlines the development of a mounting system which would attach 2 ultrasonic anemometers to the bottom of an aircraft. The study follows the entire engineering process from requirement derivation through conceptual designs, testing, analysis, and verification. The details of this report are confidential and therefore cannot be disclosed.