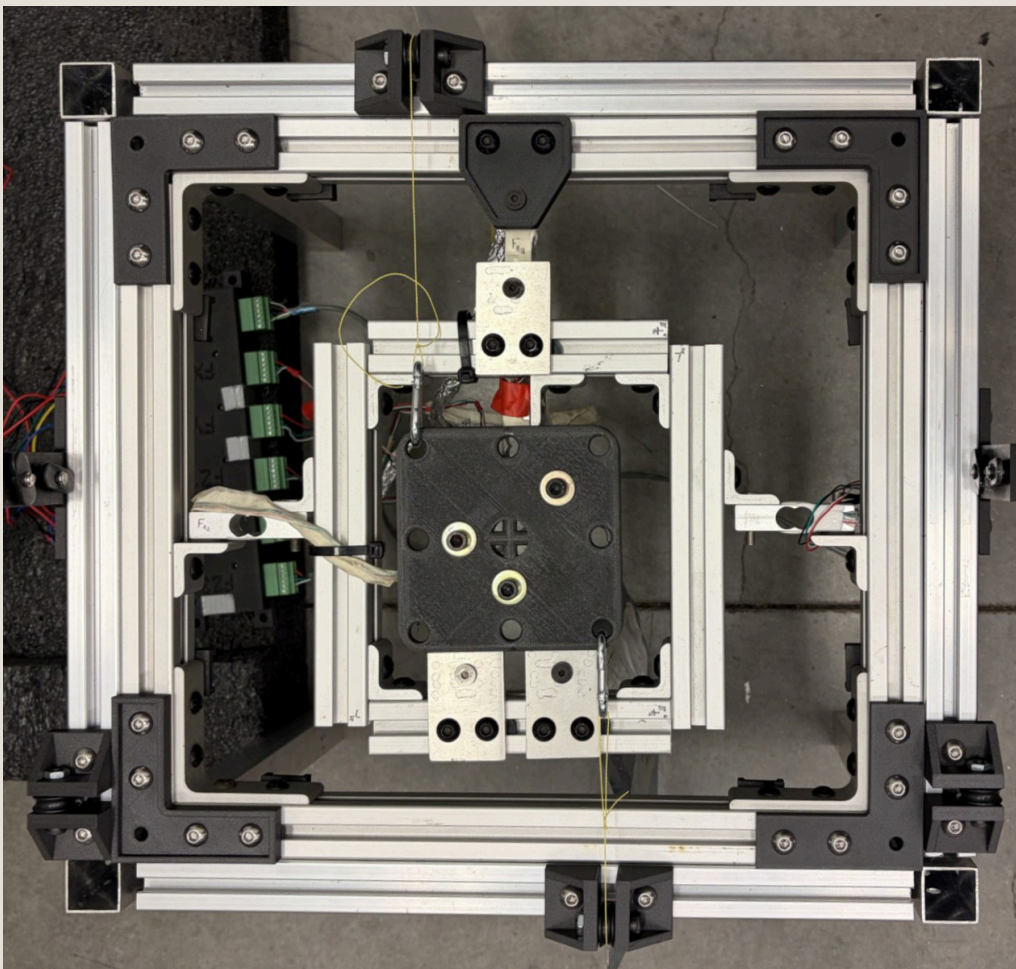


Design and Analysis of a Customizable 6-DOF Force/Torque Sensor

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Commercial 6-DOF force/torque sensors are vital instruments capable of capturing the full range of aerodynamic forces acting on objects in a wind tunnel. However, they have fixed characteristics and cannot adapt to different measurement requirements. To address this limitation, a customizable force/torque sensor has been developed using beam load cells. This modular design offers customizable range, sensitivity, and frequency response. The defense will cover the development and testing of the sensor, showcasing its characteristics and applications.



Thesis Defense

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