

Hardware-in-the-Loop Testing for the PolySim ADCS Lab

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Hardware-in-the-loop (HIL) testing is commonly used in the aerospace industry. The attitude, dynamics, and controls subsystem (ADCS) is one of the most common subsystems to be tested using HIL. The PolySim ADCS lab wants to implement HIL testing for future projects and student development. For this, a HIL test system was created using a Speedgoat Performance Machine and a Raspberry Pi. Three tests were conducted to ensure the test system was set up properly.

Thesis Defense
June 3rd, 2025 4:00 pm
Building 41 Room 122