

# VTOL Simulation Overview

The objective of this project was to use python, numPy, and symPy to simulate a vertical take off vehicle. To make this project work, open the planar\_vtol folder in your text editor and run the Planar\_VTOLSim.py file. Alternatively you can just watch the included video. I coded PID Control loops in all 3 free axes to gain control of the VTOL. There is some other fun code to run in the same directory showing the math behind it all.