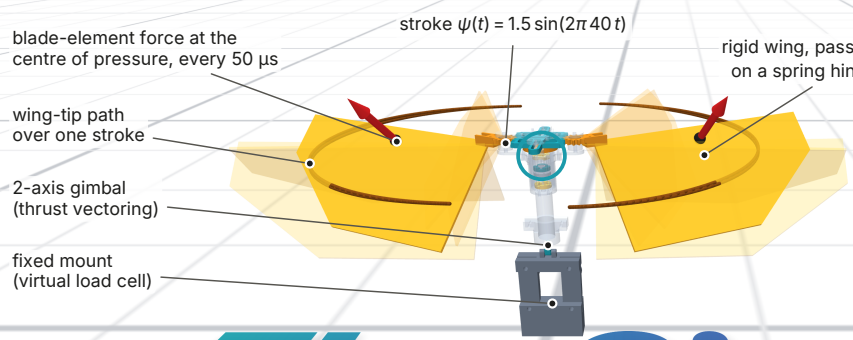
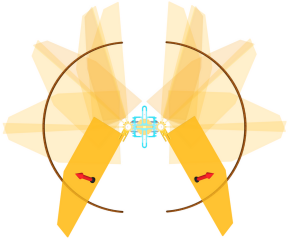
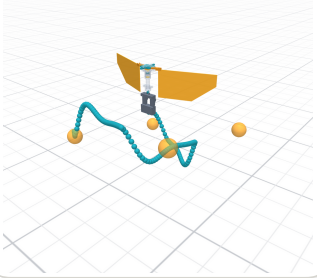


FlapSim

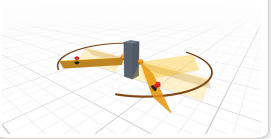
Top view of the stroke ±86°, 40 Hz



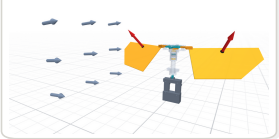
Free flight hover PID, waypoints



Parametric robot no CAD



Wind and gusts 1.5 m/s + gust





gear train (teal ring) seen through the translucent housing

URDF robot, 30 g
faint wings: earlier instants
red arrows: wing force at CoP