

Aero 2 Recommended Assessment

Block Diagram Modelling

1. Include a screen capture of the model that you created in Step 3 of the [Block Diagram Modelling - Lab Procedure](#).
2. The motor shaft of the Aero 2 thruster is attached to a propeller hub and the propeller itself. Based on the parameters given in the [Block Diagram Modelling - Concept Review](#), calculate the equivalent moment of inertia that is acting on the motor shaft. What assumptions can you make about the effect of the propeller hub inertia on the system?
3. Does the response of the simulated system in Step 4 of the [Block Diagram Modelling - Lab Procedure](#) match the hardware response well? Explain.