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ENGR 454

Measured Parameters

5/3/2023

**Measurements:**

Listed below are our measured values of our hover copter system.

|  |  |
| --- | --- |
| Parameters | Measurements |
| Mass of Motor | 0.0132 kg |
| Mass of Arm | 0.0234 kg |
| Length of Arm | 0.5021 m |
| Length of Arm from Pivot | 0.29 m |
| Inner Radius | 0.005 m |
| Outer Radius | 0.006 m |
| Radius of Copter/Motor | 0.01 |

Below is our calculated total moment of inertia for the arm:

J = 0.0017