

Acronyms and Terminology

AMA - Academy of Model Aeronautics

BLDC - Brushless Direct Current

cc - Cubic Centimeter

CFD - Computational Fluid Dynamics

COTS - Consumer Off-The-Shelf

EECP SD - Electrical Engineering and Computer Engineering Senior Design

EKF - Extended Kalman Filter

ESC - Electronic Speed Controller

FEA - Finite Element Analysis

GPS - Global Positioning System

IMU - Inertial Measurement Unit

Kt - Motor Torque Constant

Kv - Motor Velocity Constant

LiPo - Lithium Polymer

LRU - Line Replaceable Unit

MAE SD - Mechanical and Aerospace Engineering Senior Design

mAh - milli-Amp Hours

MC - Experiments Monte Carlo Experiments

NCR - Nickel Cobalt Rechargeable

NiCd - Nickel Cadmium

NIMH - Nickel Metal hydride

PRM - Probabilistic Road Mapping

PWM - Pulse Width Modulation

ROI - Region of Interest

ROS - Robot Operating System

RPM - Rotations Per Minute

RRT - Rapidly-exploring Random Tree

UAS - Unmanned Aerial System

UGV - Unmanned Ground Vehicle

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