Table of Contents – Flatball Inertial Navigation System

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# Nomenclature

|  |  |  |
| --- | --- | --- |
| Name | Description | Units |
| A | Frisbee planform area | m^2 |
| COM | Center of mass |  |
| COP | Center of pressure |  |
| D | Diameter of frisbee | m |
| Fdrag | Drag force | N |
| DOF | Degree of freedom |  |
| Cd | Drag coefficient |  |
| Cd0 | Form drag coefficient at minimum drag |  |
| Cda | Induced drag coefficient |  |
| Cl | Lift coefficient |  |
| Cl0 | Lift coefficient at TBD |  |
| Cla | TBD |  |
| Cm | Pitch moment coefficient |  |
| Cm0 |  |  |
| Cma |  |  |
| Cmq | Pitch moment damping coefficient |  |
| Cnr | Spin down moment coefficient |  |
| Crr | Roll moment damping due to spin coefficient |  |
| Crp | Roll moment damping coefficient |  |