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| *Symbol* | *Definition* |
| *Lbody* | Body length (m) |
| *npix* | Number of pixels (count) |
| *a* | Altitude (m) |
| *lfoc* | Focal length (mm) |
| *Sw* | Sensor width (mm) |
| *Pw* | Image resolution width (pixels) |
| *Fa* | Planar fluke area (m2) |
| *C* | Chord length of tail (m) |
| *Mbody* | Body mass (kg) |
| *Sa* | Wetted surface area of body (m2) |
| *Uavg* | Mean swimming velocity (m s-1) |
| *f* | Oscillatory frequency (Hz) |
| *Tbeat* | Duration of a tailbeat (s) |
| *PT* | Thrust power (W) |
| *CD* | Coefficient of drag (dimensionless) |
| *ᶯ* | Froude efficiency (dimensionless) |
| *σ* | Reduced frequency (dimensionless) |
| *ω* | Angular frequency of fluking (Hz) |
| θ | Feathering parameter (dimensionless) |
| *α* | Angle of attack of flukes (degrees) |
| h1 | Heaving amplitude (m) |
| *CT* | Coefficient of thrust (dimensionless) |
|  | Mean thrust force (N) |
| *ρ* | Density of seawater (Kg m-3) |
| *D* | Mean drag force (N) |
| *kadded* | Shape drag correction factor (dimensionless) |
| *Uf* | Final tailbeat swimming speed (m s-1) |
| *Ui* | Initial tailbeat swimming speed (m s-1) |
| *∆U* | Change in tailbeat swimming speed (m s-1) |
| *Wmax* | Maximum body diameter (m) |
| *Re* | Reynold’s number (dimensionless) |
|  | Kinematic viscosity (m2 s-1) |
|  | Parasitic drag |
| *t* | Time (s) |