

Development of Turtle-like Submergence Vehicle

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Errata

Critical errors were found in our paper, and we would like to revise it with the following contents.

In Section 4, 'FUNDAMENTAL ANALYSIS OF PERFORMANCE OF FLAPPING FINS', Eq. (5) should be replaced as the following equation:

$$\gamma(r, t) = -\tan^{-1} \frac{r\omega(t)}{U}. \quad (\text{Negative sign should be placed.})$$

Thus the calculation results are also changed so that Fig. 8 should be replaced with the following graph. The vehicle velocity is estimated around 0.26 m/s.

The conclusions do not have to be revised except the vehicle velocity (0.26 m/s).

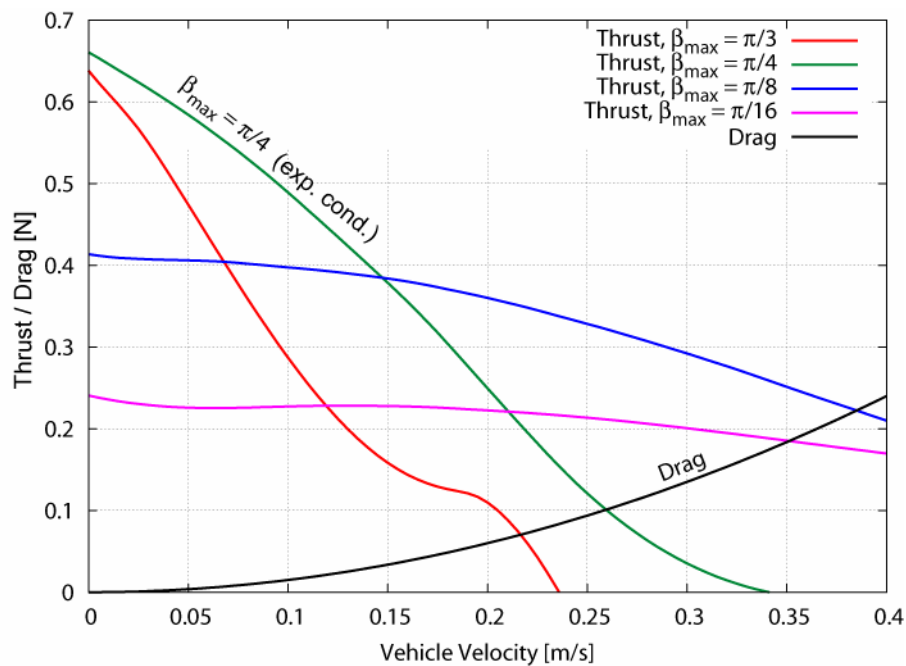


Fig. 8: Thrust and Drag Forces as Functions of Vehicle Velocities. Flapping Frequency is 0.53 Hz.