

Flapping Wing Mechanism: Modeling and Control

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Introduction In this paper, we look at the modeling of a mechanically coupled flapping and feathering design, its aerodynamic forces and moments, and the subsequent control design.

Organisation The

Modeling of the 5-link design Consider the following mechanism:

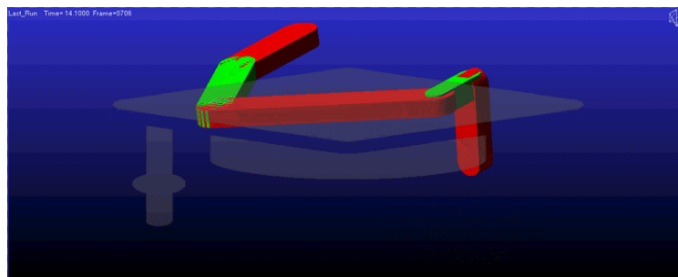


Figure 3.1: Flapping Wing Mechanism