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[2008-0727]Multiple Model Based Adaptive Reconfiguration Control for Actuator Fault

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摘要

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Multiple Model Based Adaptive Reconfiguration Control for Actuator Fault

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Abstract
In this paper, an active fault tolerant control strategy is developed to compensate for the effect of actuator fault in the presence of non-measurable rate on the actuator second-order dynamics. The proposed control scheme is a combination between multiple model and adaptive reconfiguration control. By means of the designed method, the system output can track that of reference model asymptotically, and the simulation results have illustrated the effectiveness of the proposed algorithms.

Key words Actuator fault Multiple model Fault accommodation Flight control

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