

Stabilized UAV Flight System Design for Structure Safety Inspection

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Abstract— For the small air vehicle-based structure safety inspection, it is very important to collect the images without shaking and the data by manipulating the air vehicle, even though the inspector does not have professional experience. In this article, the method for the stabilized flight system design for the safety inspection of the small air vehicle-based structures.

Keyword— Quadcopter, Stabilization, UAV, Attitude controller, Optimized structure design, PWM, Autonomous Flight



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