

## عنوان مقاله:

Modification of flight envelopes for damaged UAV

## محل انتشار:

کنفرانس بین المللی پیشرفت های اخیر در مهندسی، نوآوری و تکنولوژی (سال: 1401)

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## خلاصه مقاله:

When an aircraft is damaged, the system parameters change drastically depending on the location and extent of the damage, and if these changes are significant, the autopilot will not be able to control the aircraft. Recognizing the flight envelope and operational limitations of the damaged aircraft is one of the basic requirements for its recovery. In this paper, the maneuvering flight envelope of a UAV with a damaged wing and locked in a rudervator at different altitudes and flight speeds is extracted and its stability in these flight conditions is investigated and the flight bag is modified.

## کلمات کلیدی:

modification of flight envelope , flight envelope , wing fracture , Fault in actuator airplane

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1465720>

