

DEVELOPMENT OF UNMANNED AUTONOMOUS POWERED PARACHUTE SYSTEM

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Abstract

Ram Air Parachute, owing to its gliding and maneuvering capabilities, has got unending applications in aerospace field. Powered version of autonomously controlled RAP can be utilized as a cheap alternative for strategic activities in civil and military fields. This paper presents the design approach of unmanned autonomous controlled powered parachute system, viz., UAPPS.

Keywords: Ram Air Parachute, UAPPS, UAV, Powered Parachute, 9DOF, Flight Dynamics