

INFLUENCE OF A SWEPT WING'S FENCES ARRANGEMENT ON THE AERODYNAMICS OF THE *PW-141 SAMONIT II*, BASED ON WING TUNNEL TESTING RESULTS

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Abstract. This article was based on aerodynamic studies of the unmanned PW-141 SAMONIT II aircraft, carried out in the wind tunnel of the Institute of Aviation in June 2009. Samonit is an unmanned tail-less aircraft with swept wings. The author presents the process of minimizing the “pitch up” effect, that takes place on a swept wing with fences arrangement.

Keywords. swept wing, fence, pitch up, tail-less, UAV