

Download An Aerodynamic Investigation Of A Forward Swept Wing

A swept wing is a wing that angles either backward or occasionally forward from its root rather than in a straight sideways direction. Wing sweep has the effect of delaying the shock waves and accompanying aerodynamic drag rise caused by fluid compressibility near the speed of sound, improving performance. MECHANISM/MORPHOLOGY. A feather consists of a shaft and vanes . The inclination of the barbs makes the vane more resistant to aerodynamic forces from its lower side than upper side . Vanes of a feather are not equally distributed on the shaft. The de Havilland DH 108 "Swallow" was a British experimental aircraft designed by John Carver Meadows Frost in October 1945. The DH 108 featured a tailless, swept wing with a single vertical stabilizer, similar to the layout of the wartime German Messerschmitt Me 163 Komet rocket-powered point-defence interceptor. Authorship Dispute: In an authorship dispute submitted to the AIAA ethics committee in January 2015, the American Institute of Aeronautics and Astronautics (AIAA) was requested to acknowledge John Cipolla's contribution as coauthor for the AFAL portion of the AIAA paper, AIAA-1990-0621., An Aerodynamic Investigation Of A Forward Swept Wing.

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