

# DOWNLOAD EFFECTS OF SPANWISE VARIATION OF LEADING EDGE SWEEP ON THE LIFT DRAG AND PITCHING MOMENT OF A WING BODY COMBINATION AT MACH NUMBERS 0.7 TO 2

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### effects of spanwise variation pdf

Wing Thickness – Wing weight is strongly affected by thickness, particularly for cantilever wings. –  
Thicker is lighter – Supersonic wave drag is a strong function of  $t/c$

### – Twist – Airfoils – Planform Shape – Span / Aspect Ratio

Meelan Choudhari, NASA Langley Research Center, Computational AeroSciences Department, Faculty Member. Studies Fluid Mechanics, Acoustics, Computational Fluid Dynamics, and Fluid Mechanics. Dr. Meelan Choudhari is a Senior Research Scientist at NASA

### Meelan Choudhari | NASA Langley Research Center - Academia.edu

stefania cherubini, Arts et Metiers ParisTech, DynFluid Department, Faculty Member. Studies Fluid Dynamics, Computational Fluid Dynamics, and Boundary Layers. Research Areas: \* Instability of boundary layer flows \* Transition to turbulence \*

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Batoid locomotion: effects of speed on pectoral fin deformation in the little skate, *Leucoraja erinacea*

### Batoid locomotion: effects of speed on pectoral fin

Dmitry Kolomenskiy, JAMSTEC, Center for Earth Information Science and Technology, Post-Doc. Studies High Performance Computing, Fluid Dynamics, and Aerodynamics.

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The wing configuration of a fixed-wing aircraft (including both gliders and powered aeroplanes or airplanes) is its arrangement of lifting and related surfaces.. Aircraft designs are often classified by their wing configuration. For example, the Supermarine Spitfire is a conventional low wing cantilever monoplane of straight elliptical planform with moderate aspect ratio and slight dihedral.

### Wing configuration - Wikipedia

International Journal of Thermal Technologies, Vol.2, No.2 (June 2012) ISSN 2277 - 4114 Research Article CFD Simulation of a Conjugate heat transfer problem in a rectangular cavity Patro. Pa\*, Patro. Bb, Barik. A. Kc a,c Department of Mechanical Engineering, IIT Kharagpur, Kharagpur-721302 b ...

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Proceedings of the 11th Brazilian Congress of Thermal Sciences and Engineering -- ENCIT 2006 Braz. Soc. of Mechanical Sciences and Engineering -- ABCM, Curitiba, Brazil,- Dec. 5-8, 2006 Paper CIT06-0546 Wing and Airfoil Optimized Design of Transport Aircraft J Allan Antunes Lyrio Technological Institute of Aeronautics (ITA) – São José dos Campos – SP - Brazil j.antunes@embraer.com.br ...

### Wing and Airfoil Optimized Design of Transport Aircraft

A cyclorotor, cycloidal rotor, cycloidal propeller or cyclogiro, is a fluid propulsion device that converts shaft power into the acceleration of a fluid using a rotating axis perpendicular to the direction of fluid motion. It uses several blades with a spanwise axis parallel to the axis of rotation and perpendicular to the direction of fluid motion. These blades are cyclically pitched twice per ...

## **Cyclorotor - Wikipedia**

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In conventional electrolysers with the classical plate-and-frame equipment (see Fig. 3), the feed channels are created by interposing between the membranes net spacers, maintaining a fixed inter-membrane distance and providing some mixing promotion in the channels. Spacers are provided with gaskets along the perimeter of the channels, which seal the channels and guide the solutions through them.

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