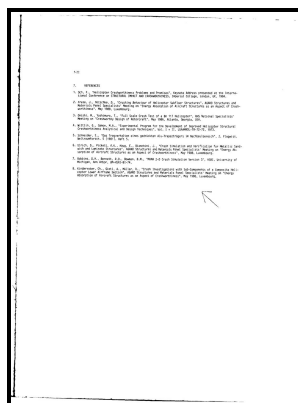


# Technical evaluation report on AGARD specialists meeting on Aerodynamic interference.

AGARD - Anastasios S. Lyrintzis, credentials



Description: -

- Aerodynamic interference. Technical evaluation report on AGARD specialists meeting on Aerodynamic interference.

- AGARD advisory report -- 34 Technical evaluation report on AGARD specialists meeting on Aerodynamic interference.

Notes: The proceedings are published as AGARD conference proceedings No.71, 1971.

This edition was published in 1971



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Tags: #Investigation #of #the #effects #of #angle #of #attack #and #tail #deflection #angle #on #the #controlling #tail #flow #field

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Pages: 15 Keywords: Aerodynamic characteristics; Controllability; Cruising flight; Hypersonic aircraft. Borsi M, Kordulla W, Hoeijmakers HWM, William BR 1993 Comparison of solution of various Navier-Stokes solvers and one Euler solver for the flow about a sharp edged cropped delta wing.

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Grosche FR 1971 Wind tunnel investigation of the vortex system near an inclined body of revolution with and without wings. Report Number: NASA-TN-D-4018 Performing Organization: NASA Dryden Flight Research Center, Edwards, CA Abstract: Pilot performance of landing maneuver in T-33-A jet trainer with restricted fields of view.

## A simple analytical model to describe the impact of wing on the flowfield over the tail in subsonic flow

Qiu S, Xiang Y, Liu H 2020 The evolution of wingtip vortex wandering: a stability analysis based on stereo-PIV experiment. ON MANUAL CONTROL, LOS ANGELES, 1-3 MAR. Rockwell D 1988 Vortex-body interaction.

NASA

A new approach is presented based on Response Surface Method to estimate the tail normal force in the immediate vicinity of a low aspect ratio swept wing by a simple analytical model in subsonic flow regime. Pages: 65 Keywords: Aerodynamic heating; Dynamic pressure; High altitude; Surface temperature; X-15 aircraft. Notes: IN ITS AEROSPACE ELECTRON.

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Newsome R, Kandil O 1987 Vortical flow aerodynamics-Physical aspects and numerical simulation, In: 25th AIAA Aerospace Sciences Meeting, p. Better correction methods used in ground testing would lead to improved accuracy in the prediction of aerodynamic behavior of future aircraft

systems designed for military operations. Hummel D, Redeker GA 2003 New vortex flow experiment for computer code validation.

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Pages: 13 Keywords: Calibrating; Computers; Data reduction; Respiratory rate; Spirometers. Rivers MB, Dittberner A 2014 Experimental investigations of the NASA common research model. The discipline of adjusting wind tunnel data for wall boundaries has been in practice almost as long as wind tunnels have been in existence.

**STO**

Many combinations of body angle of attack and tail deflections have been examined and the tail flow field was studied for each wing by measuring the tail pressure distribution on its either sides. Pages: 10 Keywords: Analog computers; Linearity; Manual control; Pilots personnel ; Responses.

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