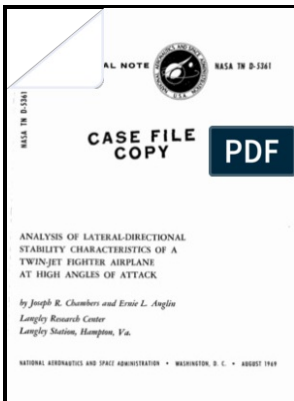


# Effect of geometric dihedral on low-speed static stability characteristics of a 40 degree swept-back wing

Royal Institute of Technology, Division of Aeronautics - How does wing sweep increase aircraft stability?



Description: -

-Effect of geometric dihedral on low-speed static stability characteristics of a 40 degree swept-back wing

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Notes: Bibliographical references: p. 8.

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Tags: #Dihedral #influence #on #lateral

## Mean Aerodynamic Chord

The load factor is measured in Gs acceleration of gravity , a unit of force equal to the force exerted by gravity on a body at rest and indicates the force to which a body is subjected when it is accelerated.

## IHS ESDU: NACA for Aerodynamics

An additional factor resulting in reduced effectiveness of the tail is the aft sweep of a typically configured tail. If by the time of the third test, the burning of fuel had moved the C of G far enough aft, it might have been enough to make the aircraft spirally stable. A stick shaker is a mechanical device that causes the control column to vibrate violently as the aircraft.

## Dihedral influence on lateral

The peak efficiency of the modified design was 0. I might type it out again.

## IHS ESDU: NACA for Aerodynamics

Precession is the resultant action, or deflection, of a spinning rotor when a deflecting force is applied to its rim. Any combination of maneuver and gust cannot create damage due to excess airload when the aircraft is below the maneuver speed.

## ch10

Warm air is less dense than cool air, and moist air is less dense than dry air. I can atleast make some assumptions now, regarding what it is doing.



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