

# High speed problems of aircraft and experimental methods.

Princeton University Press - ch5

Tags: #Analysis #of #high

## Lecture Notes

Previously, similar constructions with fiberglass skins and nonmetallic honeycomb core have been used. . Although never crediting the NACA, Lockheed adopted the dive flaps proposal which added flaps on the wing's lower surface.

## NASA

The urgent demands of war necessitated a different relationship. The critical Mach number is defined as the aircraft flight Mach number at which the local Mach number over some portion of the aircraft, such as the upper surface of the wing for example, equals unity; that is, the flow at this point has reached sonic velocity.

## The Evolution Of The Airplane

This gave rise to a new industry of leisure and sightseeing flights, as well as demonstrations and air shows.

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Hidāyat, Ḥusādiq,  
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High-speed aeronauticsHigh speed problems of aircraft and experimental methods.  
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v. 8  
High speed aerodynamics and jet propulsion,High speed problems of aircraft and experimental methods.

Notes: Includes bibliographies.

This edition was published in 1961

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The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. First, we had the appearance of the jet engine. In order to learn about different aspects of wing laminarization, such as natural laminar flow, combined laminar flow, low-noise layout with position of super high bypass engines on upper wing surface, and also to learn about peculiarities of application of jet system of active flow control, it is proposed to build a specialized prospective technologies demonstrator aircraft.



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