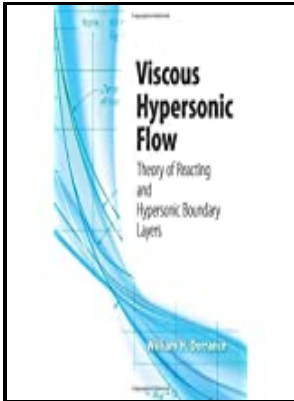


Hypersonic and high-temperature gas dynamics

American Institute of Aeronautics and Astronautics - Hypersonic & High Temperature Gas Dynamics



Description: -

-

Art -- Collectors and collecting.

Art, European -- 20th century

Art, European.

Roché, Henri Pierre, -- 1879-1959.

Aerodynamics, HypersonicHypersonic and high-temperature gas dynamics

-

AIAA education seriesHypersonic and high-temperature gas dynamics

Notes: Includes bibliographical references (p. 789-803) and index.

This edition was published in 2006



Filesize: 62.85 MB

Tags: #Hypersonic #and #High

Hypersonic and high temperature gas dynamics (1989 edition)

Only derivatives in \hat{r} appear in Eqns. The flow starts at the leading edge as laminar. We cannot predict the transition region, so we usually assume it takes place at a single point, x_T .

Hypersonic and High

This important text: Includes a wealth of new solved examples that describe the features involved in the design of gas dynamic devices Contains a chapter on jets; this is the first textbook material available on high-speed jets Offers comprehensive and simultaneous coverage of both the theory and application Includes additional information designed to help with an understanding of the material covered Written for graduate students and advanced undergraduates in aerospace engineering and mechanical engineering, Applied Gas Dynamics, Second Edition expands on the original edition to include not only the basic information on the science of gas dynamics but also contains information on high-speed jets.

Hypersonic and High

It is independent of the flow field properties themselves.

Hypersonic and high temperature gas dynamics (1989 edition)

In most engineering applications, the adiabatic wall enthalpy is expressed as, where r is the recovery factor.

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