



Advances in heat transfer.

Harnett, J. P. (James P.)
Irvine, Thomas F. (Thomas Francis)

Academic Press,
1965

Electronic books

Monografía

ADVANCES IN HEAT TRANSFER VOLUME 2

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU5Nzc2MTc>

Título: Advances in heat transfer. Volume 2 electronic resource] edited by James P. Hartnett, Thomas F. Irvine, Jr

Editorial: New York London Academic Press 1965

Descripción física: 1 online resource (479 p.)

Mención de serie: Advances in heat transfer v. 2

Nota general: Description based upon print version of record

Bibliografía: Includes bibliographical references and index

Contenido: Front Cover; Advances in Heat Transfer, Volume 2; Copyright Page; Contents; Contributors; Preface; Chapter 1. Turbulent Boundary-Layer Heat Transfer from Rapidly Accelerating Flow of Rocket Combustion Gases and of Heated Air; I. Introduction; II. Analyses; III. Air Experiments; IV. Rocket Thrust-Chamber Measurements; V. Concluding Remarks; Appendix A. Coles' Skin-Friction Coefficient and von Kármán Form of the Reynolds Analogy; Appendix B. Boundary-Layer Shape Parameter Evaluation; Appendix C. Boundary-Layer Thicknesses and Integral Equations for Thick Boundary Layers; Nomenclature ReferencesChapter 2. Chemically Reacting Nonequilibrium Boundary Layers; I. Introduction; II. Governing Equations; III. Chemical Kinetics; IV. Boundary Layers with Surface Reactions; V. Boundary Layers with Gas Phase Reactions; VI. Concluding Remarks; Nomenclature; References; Chapter 3. Low Density Heat Transfer; I. Introduction; II. General Considerations; III. Heat Conduction of a Highly Rarefied Gas; IV. Heat Conduction in Rarefied Gases; V. Intermediate Regime; VI. Experimental Determination of the Accommodation Coefficients; VII. Theoretical Calculation on Accommodation Coefficients VIII. ConclusionList of Symbols; References; Chapter 4. Heat Transfer in Non-Newtonian Fluids; I. Scope; II. Fluid Property Considerations; III. Heat Transfer in Steady Ducted Flow Fields (The "Internal"Problem); IV. Boundary Layer Problems; V. Miscellaneous Heat Transfer Problems; Notation; References; Chapter 5. Radiation Heat Transfer between Surfaces; I. Introduction; II. The Gray, Diffuse Enclosure; III. Interchange

Computation for Gray. Diffuse Enclosures; IV. Diffuse Angle Factors; V. Generalization of Enclosure Computations: Integral Equations; VI. Solution of the Integral Equations VII. Radiant Emission and Absorption Characteristics of Cavities VIII. Radiant Transmission Characteristics of Passages; IX. Radiating-Conducting Fins; X. Specularly Reflecting Surfaces; References; Author Index; Subject Index

Lengua: English

ISBN: 1-281-72704-0 9786611727048 0-08-057556-0

Materia: Energy transfer Heat- Transmission

Autores: Harnett, J. P. (James P.) Irvine, Thomas F. (Thomas Francis)

Enlace a serie principal: Advances in heat transfer (CKB)954928521848 (DLC)2011233356 (OCoLC)268995602 0065-2717

Enlace a formato físico adicional: 0-12-020002-3

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es