



Advances in heat transfer.

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

Academic Press,
c1990

Electronic books

Monografía

ADVANCES IN HEAT TRANSFER VOLUME 20

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU5Nzc2Mzg>

Título: Advances in heat transfer. Volume 20 [electronic resource] edited by James P. Hartnett, Thomas F. Irvine, Jr

Editorial: San Diego London Academic Press c1990

Descripción física: 1 online resource (411 p.)

Mención de serie: Advances in heat transfer v. 20

Nota general: Description based upon print version of record

Bibliografía: Includes bibliographical references and index

Contenido: Front Cover; Advances in Heat Transfer, Volume 20; Copyright Page; Contents; Chapter 1. Nucleate Boiling Heat Transfer and Its Augmentation; I. Introduction; II. Nondimensional Correlating Equation of Nucleate Boiling Heat Transfer; III. Simplified Formula for Heat Transfer in Nucleate Boiling Based on Thermodynamic Similarity of Thermal Properties; IV. Effect of Surface Configuration on Nucleate Boiling; V. Nucleate Boiling in Narrow Spaces; VI. Nucleate Boiling at Low Liquid Levels; VII. Augmentation of Nucleate Boiling Heat Transfer; VIII. Concluding Remarks; Nomenclature; References Chapter 2. Two-Phase Slug Flow I. Introduction; II. Steady-State Slug-Flow Modeling; III. Severe Slugging; Nomenclature; References; Chapter 3. Unified Regenerator Theory and Reexamination of the Unidirectional Regenerator Performance; I. Introduction; II. "Boxed" Process for Regenerators; III. Analytical Solution for the Unidirectional Operation; IV. Concluding Remarks; Nomenclature; References; Chapter 4. Thermal Control of Electronic Equipment and Devices; I. Introduction; II. Natural Convection; III. Forced Convection; IV. Boiling and Immersion Cooling; V. Thermal Contact Resistance VI. Thermal Control Using Heat Pipes Nomenclature; References; Chapter 5. Combined Heat and Mass Transfer by Natural Convection in a Porous Medium; I. Introduction; II. Physical Model; III. Heat and Mass Transfer in the Vertical Direction; IV. Heat and Mass Transfer in the Horizontal Direction; V. Concentrated Sources of Heat and Mass; VI. Concluding Remarks; Nomenclature; References; Chapter 6. Applicability of Solutions for Convection

in Potential Flow; I. Introduction; II. Derivations and Solutions for Convection in Potential Flow; III. Convection in Potential Flow along a Flat Plate IV. Convection in Potential Flow across a Circular CylinderV. Convection in Potential Flow over Elliptical Cylinders; VI. Convection on the Front Face of a Strip of Finite Height; VII. Convection in Potential Flow over a Wedge; VIII. Convection in Planar Potential Flow Impinging Normally on a Plane; IX. General Formulation for Convection in Axisymmetric Potential Flow; X. Convection in Potential Flow over a Cone; XI. Convection in Potential Flow along an Infinitely Long Pointed Needle; XII. Convection in Potential Flow Impinging Axisymmetrically on a Plane XIII. Convection in Potential Flow over a SphereXIV. Effect of Transverse Curvature on Convection in Potential Flow over an Isothermal Sphere; XV. Convection in Axially Symmetric Potential Flow over Isothermal Spheroids of Revolution; XVI. Convection in Potential Flow over an Isothermal Spherical Cap; XVII. Comparison of Solutions for Mean Nusselt Numbers in Potential Flow over Various Shapes with PeD-8; XVIII. Applicability of Solutions for Convection in Potential Flow; XIX. Utility of Solutions for Convection in Potential Flow for the Development of Correlating Equations XX. Summary and Conclusions

Lengua: English

ISBN: 1-281-72720-2 9786611727208 0-08-057574-9

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 fisico adicional: 0-12-020020-1

Baratz Innovación Documental

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