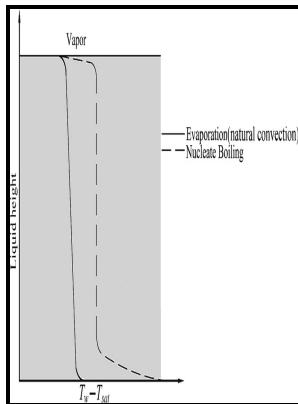


Finite-difference solution for laminar or turbulent boundary layer flow over axisymmetric bodies with ideal gas, CF4, or equilibrium air chemistry

Langley Research Center - Full text of In Heat And Mass Transfer



Description: -

- Finite difference theory

Boundary layer equations
Finite-difference solution for laminar or turbulent boundary layer flow over axisymmetric bodies with ideal gas, CF4, or equilibrium air chemistry

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Notes: Includes bibliographical references: p. 11.

This edition was published in 1992



Filesize: 7.45 MB

Tags: #Journal #of #Physics: #Conference #Series, #Volume #1382, #2019

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Figure 2-5 illustrates the behavior of the second and fourth eigenfunctions and their product; while their oscillations are more complex, it is clear that the product of these eigenfunctions must also integrate to zero.

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By comparing with the answer to Prob.

Laminar or turbulent boundary

Instructor N Balakrishnan References Charles Hirsch, Numerical Computation of Internal and External Flows, Vols.

Klein S., Nellis G.

It is possible to separately estimate the uncertainty introduced by each of the parameters listed above. Carlos Frontera and Jürgen Goicoechea and Jordi Ortín and Eduard Vives Ground-States in the Random Field Ising Model with an External Field.

Viscous

The radiation of a thin bubble layer in an infinite liquid excited by a single wave of large amplitude is studied. Karthik Balakrishnan and Palghat A. The phase- averaged analysis confirms the presence of large-scale twin vortex structure that visualized by small air bubbles dissolved in water.

Laminar or turbulent boundary

The analysis of an experimental investigation of heat transfer for a gas flow into the multichannel plate heat exchanger depending on the gas Prandtl number is presented.

Kashmir

He reviewed the results and the manuscript.

Solutions manual for White Fluid Mechanics 5th Edition

Jones, Bil Kleb, Elizabeth M.

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