



Heat Transfer Performance of Nanofluids

By Strandberg, Roy / Das, Debendra K.

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Applications in Facility Heating | Nanofluids are a class of fluids comprised of a base fluid with nanoparticles in a colloidal suspension. These fluids have been shown to exhibit substantially higher thermal conductivity than their corresponding base fluids. In this book the authors perform a detailed analysis of the fluid dynamic and heat transfer properties of copper oxide and aluminum oxide nanoparticles in a 60:40 ethylene glycol and water solution. The analyses employ previously developed correlations for nanofluid thermophysical, fluid dynamic and heat transfer properties. Computational models developed by the authors that predict the performance of hydronic finned tube heaters and air heating coils with nanofluids and conventional fluids are presented. The authors report on several aspects of heat transfer performance including heating output, associated pumping power and others. The models predict that nanofluids may improve heating output, reduce liquid pumping power and the size of heating equipment required to achieve a given output. | Format: Paperback | Language/Sprache: english | 215 gr | 152 pp.



READ ONLINE
[2.88 MB]

Reviews

The ebook is straightforward in read better to fully grasp. I could possibly comprehended every little thing out of this composed e pdf. I found out this ebook from my dad and i suggested this pdf to find out.

-- Prof. Lorine Grimes

These kinds of publication is everything and made me hunting ahead of time and more. I have got read through and i also am confident that i am going to gonna study yet again yet again later on. Its been printed in an extremely basic way in fact it is only after i finished reading this pdf in which in fact transformed me, alter the way i believe.

-- Cristina Koepp

Other Kindle Books



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values

Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in. Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead. Academic exercises are based on Common Core...



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.



Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.



Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Getting Your FREE Bonus Download this book, read it to the end and see BONUS: Your FREE Gift chapter after...



Pickles To Pittsburgh: Cloudy with a Chance of Meatballs 2

Athenium Books for Young Readers, 2000. Paperback. Book Condition: New. No Jacket. New paperback print book copy of Pickles to Pittsburgh: Cloudy with a Chance of Meatballs 2 written by Judi Barrett. Drawn by Ron Barrett. New York: Athenium Books for Young...