



Horizontal Convective Boiling of R134a, R1234yfR134a, and R1234ze(e) Within a Micro-Fin Tube with Extensive Measurement and Analysis Details

By NIST

Createspace. Paperback. Condition: New. This item is printed on demand. 60 pages. Dimensions: 11.0in. x 8.5in. x 0.1in. This report presents local convective boiling measurements in a micro-fin tube for R134a and two low global warming potential (GWP) refrigerants: R1234yf R134a, 5644 mass and R1234ze(E). Water heating either in counterflow or in parallel flow with the test refrigerant was used to vary the heat flux for a given quality. The heat transfer coefficient of the three test fluids were compared at the same heat flux, saturated refrigerant temperature, and refrigerant mass flux using an existing correlation from the literature. The resulting comparison showed that refrigerant R134a exhibited the highest heat transfer performance in large part due to its higher thermal conductivity as compared to the tested low-GWP refrigerants. For the example case presented here, the heat transfer coefficient for R1234yf R134a (5644) remains within 5 of the heat transfer coefficient for R134a, having essentially identical performance for qualities less than 30. The heat transfer coefficient for R1234ze(E) is roughly 700 kW, K-1, m-2 (approximately 14) less than that of R134a for qualities greater than 30. The smaller heat transfer coefficient of R1234ze(E) as compared to that of...



[READ ONLINE](#)

Reviews

This book is definitely not straightforward to get started on studying but extremely exciting to read. It is really simplistic but shocks in the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Ally Reichel**

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

-- **Prof. Kirk Cruickshank DDS**

Other PDFs



Read Write Inc. Phonics: Green Set 1 Storybook 2 My Dog Ned

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 210 x 148 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read Write Inc. Set 1 sounds. Each set...



Is It Ok Not to Believe in God?: For Children 5-11

Createspace, United States, 2014. Paperback. Book Condition: New. Large Print. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.A short story about an 8 year old girl called Tia, who is bullied at school because she...



Coronation Mass, K. 317 Vocal Score Latin Edition

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 56 pages. Dimensions: 9.6in. x 6.7in. x 0.1in. Otto Taubmanns classic vocal score of Mozarts Coronation Mass was first issued in the early 20th century and has become the standard edition in continuous use by...



Mass Media Law: The Printing Press to the Internet

Peter Lang Publishing Inc, United States, 2013. Paperback. Book Condition: New. New.. 251 x 175 mm. Language: English . Brand New Book. Digital media law is now the dynamic legal territory. Mass Media Law: The Printing Press to the Internet is a...



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...



Now and Then: From Coney Island to Here

Alfred A. Knopf. Hardcover. Book Condition: New. 0375400621 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!!...