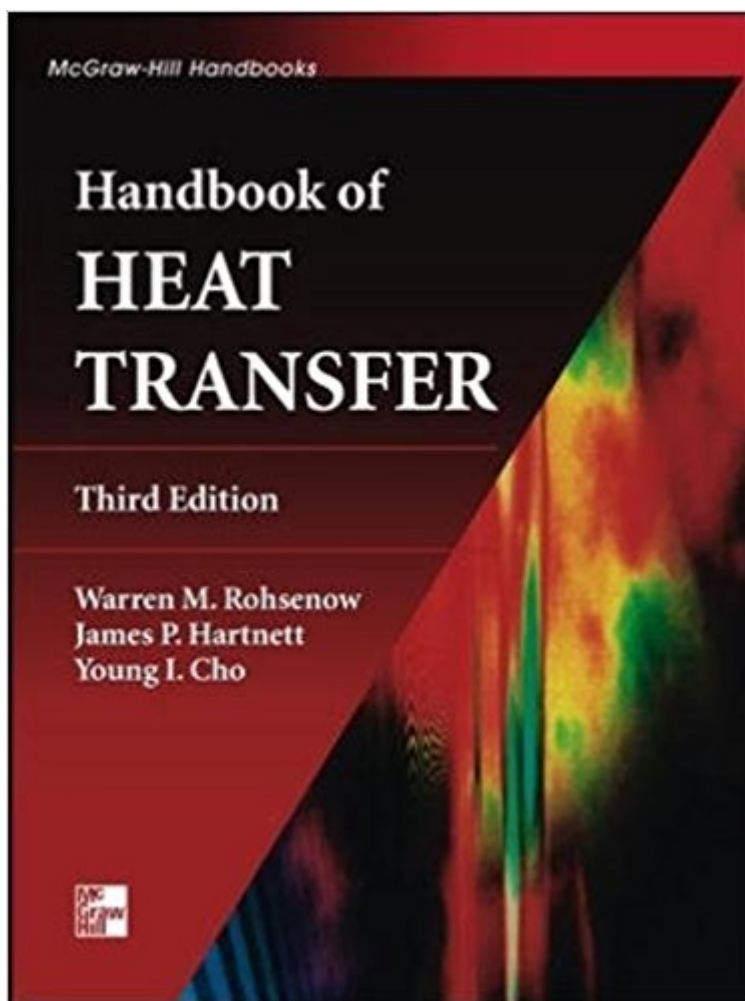


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# Handbook Of Heat Transfer



## Synopsis

This wholly revised edition of a classic handbook reference, written by some of the most eminent practitioners in the field, is designed to be your all-in-one source book on heat transfer issues and problem-solving. It includes the latest advances in the field, as well as covering subjects from microscale heat transfer to thermophysical properties of new refrigerants. An invaluable guide to this most crucial factor in virtually every industrial and environmental process.

## Book Information

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## Customer Reviews

A single reference source covering all aspects of heat transfer problem-solving in engineering. Written by the most eminent engineering authorities in the field, this authoritative and comprehensive Handbook has now been completely revised and updated to include all the latest advances in heat transfer principals with special coverage of microscale heat transfer...heat transfer in materials processing...new heat transfer augmentation techniques...thermophysical properties of new refrigerants...innovative heat exchanger methods. The staff of expert contributors covers the essential heat transfer issues involved in every industrial and environmental process, as well as in energy production and transport. Designed to be the one and only source book the engineer needs, the Handbook presents key, fundamental subjects in condensed, readable form for on-the-job use. New findings in conduction, convection, radiation, and multi-phase heat transfer are also presented. The authors have kept the discussions of theory to a minimum, focusing more on a practical,

hands-on-approach, to meet the day-to-day needs of engineers, designers, and technicians.

Warren M. Rohsenow is a former professor of mechanical engineering and director of the Heat Transfer Laboratory at MIT. Dr. Rohsenow received the Max Jacob Memorial Award for his work in heat transfer. James P. Hartnett is director of the Energy Resource Center and was professor of mechanical engineering at the University of Illinois in Chicago. Dr. Hartnett was the recipient of the ASME Memorial Award for his work in this field. Young I. Cho is professor of mechanical engineering in the Department of Mechanical Engineering and Mechanics at Drexel University, Philadelphia, Pennsylvania. Dr. Cho was awarded the 1995 University Research Award at Drexel University.

Good condition and cheap buy. Great book in itself, with more advanced content than other text books. Thank you very much.

so good . i need it , Everything with this product is perfect. next day arrive. love it .

I was expecting more tables and equations especially for natural convection external flow. There is also very little useful information about forced convection external flow. I also would have liked to see some sample calculations to demonstrate how to use this book better. There is plenty of theory despite the product's description and most of it is probably unnecessary for a handbook. It's more like a big, expensive text for heat transfer than a handbook. A person would have to be an engineer, mathematician, or physicist to deal with the level of mathematics presented in this book. There is a fair amount of information about internal flow for both forced and natural convection, but this book's value is quite limited. I am dissatisfied with this book and would not purchase it again if I lost it.

This is not an introductory book on heat transfer! Instead it is a thorough treatment on heat transfer in a stringent and extensive manner. This book places greater emphasis on correctness than "easy-to-understand-ness". However, if you do read it, you gain a lot compared to most introductory heat transfer books. If you are interested in forced convection heat transfer, this book gives well documented equations and charts for a great number of shapes, though mostly internal flow. This is a very serious book for serious engineers!

This book is a resource for understanding/solving complex heat transfer. There are no pages

wasted on useless information, just vital information pertinent to the topic. The book is well laid out and well referenced. The chapter on heat pipes is a bit lacking. Overall an excellent heat transfer reference.

You could spend the rest of your life "reading" this book! Use as a general reference for academically oriented analysis is, however, recommended. You will find way more information here than a practicing engineer needs to know at any one point in time. In that sense, it has been one of my more comprehensive references - so far anyway.

I found very useful the way thermal conductivity was approached. I was used to solve simple problems by means of "Temperature response charts". Now it is possible to use formulas instead of graphs.

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