



# Engineering Heat Transfer

By Donatello Annaratone

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## Engineering Heat Transfer By Donatello Annaratone

This book is a generalist textbook; it is designed for anybody interested in heat transmission, including scholars, designers and students.

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The first one consists of indispensable scientific rigor without theoretical exasperation.

The inclusion in the book of some theoretical studies, even if admirable for their scientific rigor, would have strengthened the scientific foundation of this publication, yet without providing the reader with further applicable know-how.

The second criterion is to deliver practical solution to operational problems.

This criterion is fulfilled through equations based on scientific rigor, as well as a series of approximated equations, leading to convenient and practically acceptable solutions, and through diagrams and tables. When a practical case is close to a well defined theoretical solution, corrective factors are shown to offer simple and correct solutions to the problem.

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## **Engineering Heat Transfer** By **Donatello Annaratone** Bibliography

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## **Editorial Review**

### **From the Back Cover**

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After a brief introduction in Chapter 1, heat transfer by conduction in both steady and unsteady state is examined in Chapter 2 as well as Chapter 3.

Chapter 4 develops the dimensional analysis as an indispensable premise to Chapter 5 with its focus on heat transfer by convection.

Chapter 6 analyzes heat transfer by radiation including radiation by flame.

Chapter 7 illustrates the required behavior when examining heat transfer in heat exchangers, as well as tube banks.

Chapter 8 discusses pressure drops in detail.

Appendix A shows a series of Tables relative to thermal characteristics of the materials. Appendix B includes a series of Tables about the corrective factors to be adopted to obtain the real value of the mean temperature difference in design computation.

Appendix C includes a series of Tables about the corrective factors to be adopted to obtain the real value of the exit temperature of the heating fluid in verification computation.

## **Users Review**

### **From reader reviews:**

**Jennifer Walker:**

Information is provisions for anyone to get better life, information today can get by anyone in everywhere. The information can be a knowledge or any news even an issue. What people must be consider if those information which is from the former life are challenging to be find than now is taking seriously which one is acceptable to believe or which one often the resource are convinced. If you obtain the unstable resource then you obtain it as your main information you will have huge disadvantage for you. All of those possibilities will not happen within you if you take Engineering Heat Transfer as the daily resource information.

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Engineering Heat Transfer can be one of your beginner books that are good idea. We recommend that straight away because this guide has good vocabulary that will increase your knowledge in words, easy to understand, bit entertaining but nonetheless delivering the information. The writer giving his/her effort to set every word into satisfaction arrangement in writing Engineering Heat Transfer but doesn't forget the main position, giving the reader the hottest and also based confirm resource details that maybe you can be considered one of it. This great information can certainly drawn you into new stage of crucial considering.

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