



Engineering Heat Transfer

By Donatello Annaratone

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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.

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