



Convection Heat Transfer, 4th Edition

Adrian Bejan

E-Book	978-1-118-33008-1	March 2013	\$137.99
Hardcover	978-0-470-90037-6	April 2013	\$171.50
O-Book	978-1-118-67162-7	March 2013	Available on Wiley Online Library

DESCRIPTION

A new edition of the bestseller on convection heat transfer

A revised edition of the industry classic, *Convection Heat Transfer, Fourth Edition*, chronicles how the field of heat transfer has grown and prospered over the last two decades. This new edition is more accessible, while not sacrificing its thorough treatment of the most up-to-date information on current research and applications in the field.

One of the foremost leaders in the field, Adrian Bejan has pioneered and taught many of the methods and practices commonly used in the industry today. He continues this book's long-standing role as an inspiring, optimal study tool by providing:

- Coverage of how convection affects performance, and how convective flows can be configured so that performance is enhanced
- How convective configurations have been evolving, from the flat plates, smooth pipes, and single-dimension fins of the earlier editions to new populations of configurations: tapered ducts, plates with multiscale features, dendritic fins, duct and plate assemblies (packages) for heat transfer density and compactness, etc.
- New, updated, and enhanced examples and problems that reflect the author's research and advances in the field since the last edition
- A solutions manual

Complete with hundreds of informative and original illustrations, *Convection Heat Transfer, Fourth Edition* is the most comprehensive and approachable text for students in schools of mechanical engineering.

ABOUT THE AUTHOR

ADRIAN BEJAN, PhD, is the J. A. Jones Professor of Mechanical Engineering at Duke University. An internationally recognized authority on heat transfer and thermodynamics, Bejan has pioneered the methods of entropy generation minimization, scale analysis, heatlines and masslines, intersection of asymptotes, dendritic architectures, and the constructal law of design in nature. He is the recipient of numerous awards, including the Max Jakob Memorial Award (ASME & AIChE), the Worcester Reed Warner Medal (ASME), and the Ralph Coats Roe Award (ASEE). He is the author of twenty-five books and 550 journal articles, and is listed among the 100 most-cited engineering researchers (all disciplines, all countries). He has been awarded sixteen honorary doctorates by universities in eleven foreign countries.

RELATED RESOURCES

Instructor

[View Instructor Companion Site](#)

To purchase this product, please visit <https://www.wiley.com/en-us/9781118330081>