



# Computational Fluid Dynamics and Heat Transfer

S. Thanigaarasu

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## About the Book

*Computational Fluid Dynamics and Heat Transfer* is meant for undergraduate and postgraduate students, research scholars and teaching community of Aerospace Engineering and Mechanical Engineering. This book explains the fundamentals of heat transfer and focuses mainly on finite difference method, which is one of the computational methods used to solve engineering problems. The major strength of the book is that it covers one-dimensional, two-dimensional steady and transient conduction and convection problems in detail. This book will definitely be highly useful for those who wish to understand the finite difference method for solving fluid flow and heat transfer problems for their research and industrial applications.

## Salient Features

- A very comprehensive and accessible approach in the presentation of the material.
- Step-by-step description of mathematical formulations.
- A variety of unsolved problems for practice at the end of each chapter.
- Lucid explanation of all the concepts, with aid of examples to help and build a strong foundation.

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## About the Author

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