



Handbook of Numerical Heat Transfer

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This Second Edition of Handbook of Numerical Heat Transfer covers the basic equations for numerical method calculations regarding heat transfer problems and applies these to problems encountered in aerospace, nuclear power, chemical processes, electronic packaging, and other related areas of mechanical engineering. As with the first edition, this complete revision presents comprehensive but accessible coverage of the necessary formulations, numerical schemes, and innovative solution techniques for solving problems of heat and mass transfer and related fluid flows.

Featuring contributions from some of the most prominent authorities in the field, articles are grouped by major sets of methods and functions, with the text describing new and improved, as well as standard, procedures. Handbook of Numerical Heat Transfer, Second Edition includes:

- * Updated coverage of parabolic systems, hyperbolic systems, integral-and integro-differential systems, Monte Carlo and perturbation methods, and inverse problems
- * Usable computer programs that allow quick applications to aerospace, chemical, nuclear, and electronic packaging industries
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Editorial Review

From the Back Cover

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