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Viktor Józsa, Róbert Kovács



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Solving Problems in Thermal Engineering Viktor Józsa, Róbert Kovács, 2019-10-24 This book provides general guidelines for solving thermal problems in the fields of engineering and natural sciences Written for a wide audience from beginner to senior engineers and physicists it provides a comprehensive framework covering theory and practice and including numerous fundamental and real world examples Based on the thermodynamics of various material laws it focuses on the mathematical structure of the continuum models and their experimental validation In addition to several examples in renewable energy it also presents thermal processes in space and summarizes size dependent non Fourier and non Fickian problems which have increasing practical relevance in e g the semiconductor industry Lastly the book discusses the key aspects of numerical methods particularly highlighting the role of boundary conditions in the modeling process The book provides readers with a comprehensive toolbox addressing a wide variety of topics in thermal modeling from constructing material laws to designing advanced power plants and engineering systems *Dissertation Abstracts International*, 1996

Engineering Thermodynamics. Solutions to Problems \ Jesse Seymour Doolittle, Alexander Hamilton Zerban, 1962

Bookseller, 1967 Vols for 1871 76 1913 14 include an extra number The Christmas bookseller separately paged and not included in the consecutive numbering of the regular series *Scientific and Technical Aerospace Reports*, 1982

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Elements of engineering thermodynamics. Solutions to problems ... Rolf Heinrich Sabersky, Salvatore P. Sutera, 1958

New Trends in Mechatronics and Materials Engineering Elwin Mao, Xi Bing Li, 2012-01-24 Selected peer reviewed papers from the 2011 International Conference on Mechatronics and Materials Engineering ICMME 2011 December 10-12 Qiqihar China

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Machinery Lester Gray French, 1929

Agricom, 1953

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Mathematical Reviews, 2004

AIChE Symposium Series, 1978

Finite Element Bibliography Gerard De Vries, 1976-12 This bibliography had its inception in 1967 when the compilers first attempted a comprehensive coverage of the finite element literature using both manual and computer based retrieval Initially the data base was stored on a card index but this was subsequently transferred to punched cards and magnetic tape Computer processing was adopted at an early stage to derive the three index formats from the data base Over the subsequent years several versions of the bibliography were produced with two of these being made available in a report form to other researchers From the widespread interest in these documents it became evident that there was a need for a commercially available comprehensive bibliography in this area A major effort was undertaken to revise update and extend the data base resulting in this present volume The bibliography covers the period 1956-1975 primarily although some earlier publications of historical interest are included The citations are not restricted to the English language and documents are listed in many languages and from diverse places of origin All publication formats were accepted so that references will be found to books monographs journal papers and articles theses dissertations reports surveys and the like

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