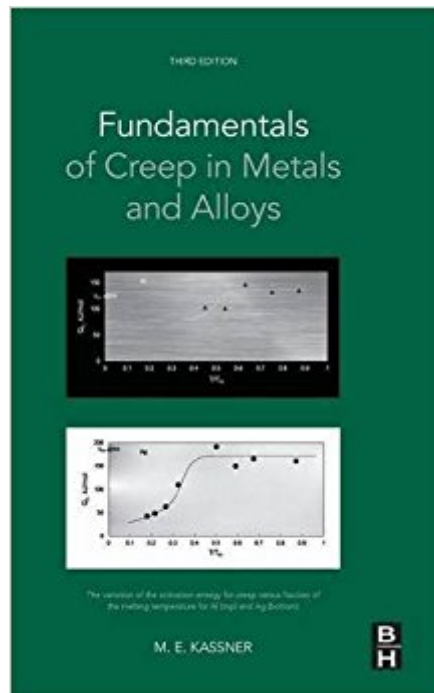




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Fundamentals Of Creep In Metals And Alloys, Third Edition



Synopsis

Although the present edition of *Fundamentals of Creep in Metals and Alloys* remains broadly up to date for metals, there are a range of improvements and updates that are either desirable, or required, in order to ensure that the book continues to meet the needs of researchers and scholars in the general area of creep plasticity. Besides updating the areas currently covered in the second edition with recent advances, the third edition will broaden its scope beyond metals and alloys to include ceramics, covalent solids, minerals and polymers, thus addressing the fundamentals of creep in all basic classes of materials. Numerous line drawings with consistent format and units allow easy comparison of the behavior of a very wide range of materials. Transmission electron micrographs provide direct insight into the basic microstructure of metals deforming at high temperatures. Extensive literature review of about 1000 references provides an excellent overview of the field.

Book Information

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Customer Reviews

Dr. Kassner is a professor in the department of Aerospace and Mechanical Engineering at the University of Southern California in Los Angeles. He holds M.S. and Ph.D. degrees in Materials Science and Engineering from Stanford University, has published two books and more than 200 articles and book chapters in the areas of metal plasticity theory, creep, fracture, phase diagrams, fatigue, and semi-solid forming, and currently serves on the editorial board of *Elsevier's International Journal of Plasticity*.

It is an excellent book. It reviews both mechanical properties and microstructure.

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