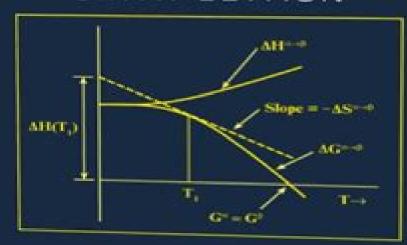
Introduction to the THERMODYNAMICS OF MATERIALS

SIXTH EDITION



David R. Gaskell David E. Laughlin

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needed by instructors in the field Phase Transformations in Metals and Alloys Second Edition maintains the simplicity that undergraduate instructors and students have come to appreciate while updating and expanding coverage of recently developed methods and materials The book is effectively divided into two parts The beginning chapters contain the background material necessary for understanding phase transformations thermodynamics kinetics diffusion theory and the structure and properties of interfaces The following chapters deal with specific transformations solidification diffusional transformation in solids and diffusionless transformation Case studies of engineering alloys are incorporated to provide a link between theory and practice New additions include an extended list of further reading at the end of each chapter and a section containing complete solutions to all exercises in the book Designed for final year undergraduate and postgraduate students of metallurgy materials science or engineering materials this is an ideal textbook for both students and instructors Introduction to Metallurgical Thermodynamics David R. Gaskell,1981 Thermodynamic Data for Mineral Technology L. B. Pankratz, J. M. Stuve, N. A. Gokcen, 1984 Bulletin, 1910 Bulletin United States. Bureau of Mines. Subject Guide to Books in Print, 1996 Chemical Engineering Education ,1973 **Mechanical Engineering News** ,1972

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