

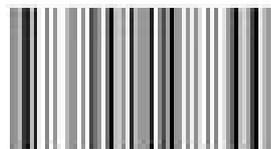
The multidisciplinary knowledge of engineering graduate has become an indispensable in the today's scenario. The Physical Metallurgy is a subject, which was practiced as art in the ancient age and has gradually taken important position in science, engineering and nowadays in the technology era. The focus area is the engineering properties of the materials in light of the chemistry, structure and defects in the structure. The materials are the key factor in emergence new technology almost in all field of engineering in this rapid changing technology driven world. Therefore, understanding of behaviour of materials is a basic need of engineering professionals. Basics of Physical Metallurgy for Engineers, is a textbook that covers the important fundamental aspects of physical metallurgy. This book attempts to introduce many essential concepts in brief, especially to the audience from all the engineering streams. The book describes in brief the concept of crystal structure, the movement of atoms in solid state through diffusion process and possible defects in the crystalline materials. The book is useful for the undergraduate students at the early stages of engineering course.



Subhas Ganguly
Manwendra Kumar Tripathi

Basics of Physical Metallurgy for Engineers

Dr. Subhas Ganguly is PhD in Metallurgical and Materials Engineering from IIT Kharagpur, India. He is Assistant Professor at the Department of Metallurgical Engineering, NIT Raipur. His area of research interest includes Phase Transformation, Alloy Design, Multicomponent System, Computational Materials Science and Engineering Optimization.



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In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Metallurgy For Engineers**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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