

Textbook on Metallurgical Failure Analysis

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Product Description

A Textbook on METALLURGICAL FAILURE ANALYSIS: This handy textbook presents the basic causes of failure of metallic components and the factors – mechanical, metallurgical, thermal and environmental – that contribute to the failure. Basis of metal deformation and fracture, including fractography, are elaborated. Procedure for failure analysis has been explained and the tools used for failure analysis described. Several actual cases of failure investigation are included. The classified types of failure covered in the book are:

- Fatigue failure
- Wear failure
- Environment assisted failure
- High temperature failure
- Casting failure
- Heat treatment related failure
- Metalworking defeat related failure
- Weld failure

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Author

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GRAIN in BRICS

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Product Description

In its popular saying 'life's battle do not go to the strongest or the fastest man, soon or late the man who wins is the one who who thinks he can. The idea of doing (think, and can) has been instrumental not only to individuals but also to nations as well. The book advocates that the national employing effectively emerging technologies (GRAIN) will lead to emerging economics (BRICS). Besides GRAIN in BRICS also inherits a huge bundle of culture, civilization, natural resources and work ethics explaining how the proper utilization of the emerging strong economic development. The book intimately looks these finer aspects of human development, the power of ideas, the introduction of the innovative technologies, their application, the utilization of resources, the difficulties faced and the challenges overcome by them and the entire process of slow and steady move towards the goal. This book is a useful ready study and reference material not only to the students of economics and management but to all those pursuing their studies in various technical knowledge as well, Its a readers delight to obtain an encyclopedia of information at one go.



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Authors

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