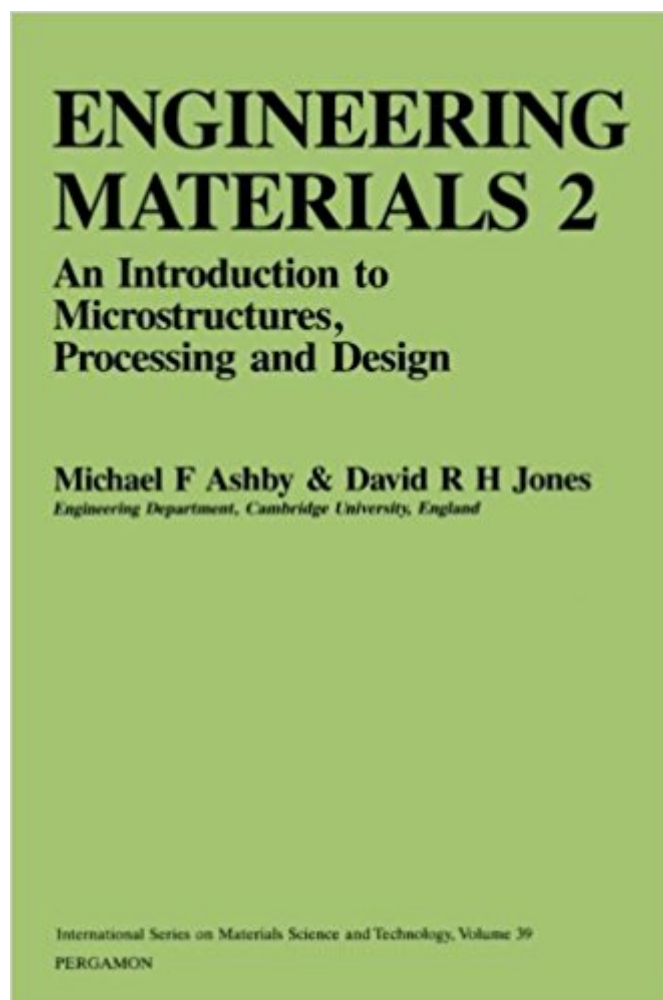




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Engineering Materials 2: An Introduction To Microstructures, Processing And Design (International Series On Materials Science And Technology) (v. 2)





Synopsis

Provides a thorough explanation of the basic properties of materials; of how these can be controlled by processing; of how materials are formed, joined and finished; and of the chain of reasoning that leads to a successful choice of material for a particular application. The materials covered are grouped into four classes: metals, ceramics, polymers and composites. Each class is studied in turn, identifying the families of materials in the class, the microstructural features, the processes or treatments used to obtain a particular structure and their design applications. The text is supplemented by practical case studies and example problems with answers, and a valuable programmed learning course on phase diagrams.

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...unique and interesting...It contains good illustrations, useful information in tabular form, and references for background reading and for further reading...The book is highly recommended as a textbook for a second course in engineering materials. It is also recommended as a reference book for practicing engineers and for libraries.
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