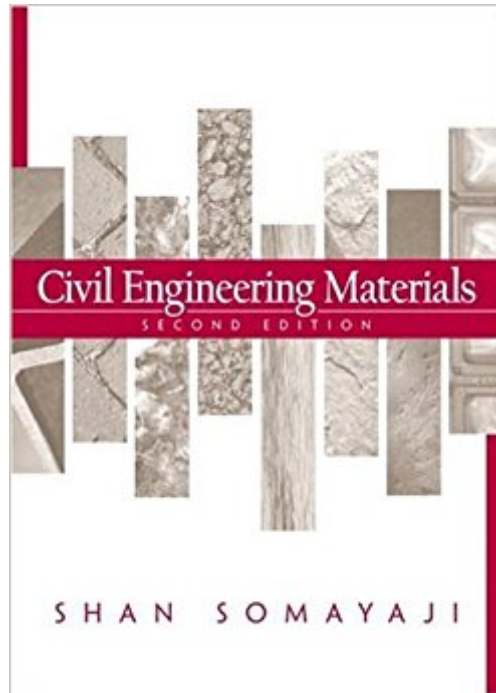




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Civil Engineering Materials (2nd Edition)



Synopsis

This book deals with properties, applications and analysis of important materials of construction/civil engineering. It offers full coverage of how materials are made or obtained, their physical properties, their mechanical properties, how they are used in construction, how they are tested in the lab, and their strength characteristics--information that is essential for material selection and elementary design. Contains illustrative examples and tables and figures from professional organizations. Considers all common materials of civil engineering/construction--and looks at each in depth: e.g., physical properties, mechanical properties, code provisions, methods of testing, quality control, construction procedures, and material selection. Discusses laboratory testing procedures for selected tests--provides step-by-step descriptions of laboratory test procedures to determine properties of materials. All test procedures are based on relevant ASTM specification. For Civil Engineers, Construction Engineers, Architects, and Agricultural Engineers.

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This book deals with properties, applications and experimental analysis of important materials of construction/civil engineering. The issues of how materials are made or obtained, their physical properties, their mechanical properties, how they are used in construction, how they are tested in the lab, and their strength characteristics are all given a full coverage. --This text refers to an out of print or unavailable edition of this title.

This book deals with properties, applications and analysis of important materials of construction/civil engineering. It offers full coverage of how materials are made or obtained, their physical properties, their mechanical properties, how they are used in construction, how they are tested in the lab, and their strength characteristics--information that is essential for material selection and elementary design. Contains illustrative examples and tables and figures from professional organizations. Considers all common materials of civil engineering/construction--and looks at each in depth: e.g., physical properties, mechanical properties, code provisions, methods of testing, quality control, construction procedures, and material selection. Discusses laboratory testing procedures for selected tests--provides step-by-step descriptions of laboratory test procedures to determine properties of materials. All test procedures are based on relevant ASTM specification. For Civil Engineers, Construction Engineers, Architects, and Agricultural Engineers.

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This book arrived in excellent and new condition, and compared to other retailers and sellers of

used versions of this book was still a big save.

This is a good book that provides a simple reference for civil engineering students. You probably need to have some previous knowledge in deformable mechanics to have a comprehensive understanding of the material. This would not be a problem except that many schools (mine in particular) require a CE materials course before taking junior level deformable bodies. Students should not be deterred by this and will have no problem understanding the bulk of the material, as long as the professors using this text are aware of this.

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