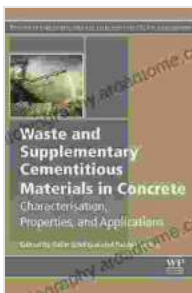


Unlock the Secrets of Characterisation Properties and Applications in Civil Engineering

Civil engineering is a vast and complex field that encompasses the design, construction, and maintenance of infrastructure systems. To ensure the safety and durability of these structures, it is essential to understand the characterisation properties of the materials used.



Waste and Supplementary Cementitious Materials in Concrete: Characterisation, Properties and Applications (Woodhead Publishing Series in Civil and Structural Engineering) by Paulo Cachim

★★★★☆ 4.5 out of 5

Language : English
File size : 58169 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 640 pages



Our comprehensive book, "Characterisation Properties and Applications in Civil Engineering," provides a comprehensive overview of this crucial topic. Written by leading experts in the field, this book offers a unique blend of theoretical principles and practical insights into the characterisation of construction materials.

Key Features of the Book

- **In-depth coverage:** Explores a wide range of characterisation techniques, including physical, chemical, mechanical, and durability testing.
- **Real-world case studies:** Presents real-world examples and case studies to illustrate the practical applications of characterisation properties.
- **Interdisciplinary approach:** Brings together experts from various disciplines, including geotechnical engineering, soil mechanics, rock mechanics, concrete technology, materials science, and geosynthetics.
- **Comprehensive references:** Provides an extensive list of references for further research and development.

Essential for Civil Engineers

Whether you are a practicing civil engineer, a researcher, or a student, our book is an indispensable resource for understanding the characterisation properties of construction materials. This knowledge is essential for:

- Selecting appropriate materials for specific applications
- Designing and constructing safe and durable structures
- Monitoring and maintaining infrastructure systems
- Conducting research and development in civil engineering

Table of Contents

The book is organized into the following chapters:

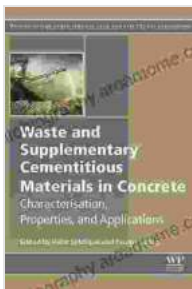
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2. Physical Characterisation
3. Chemical Characterisation
4. Mechanical Characterisation
5. Durability Characterisation
6. Characterisation of Geomaterials
7. Characterisation of Concrete
8. Characterisation of Geosynthetics
9. Case Studies
10. Future Trends

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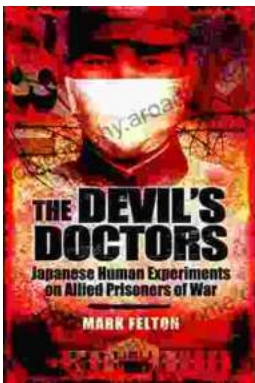
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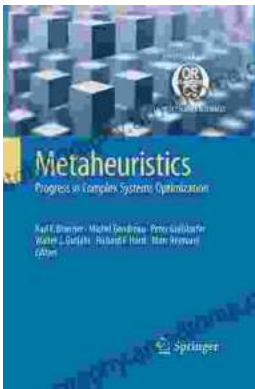
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