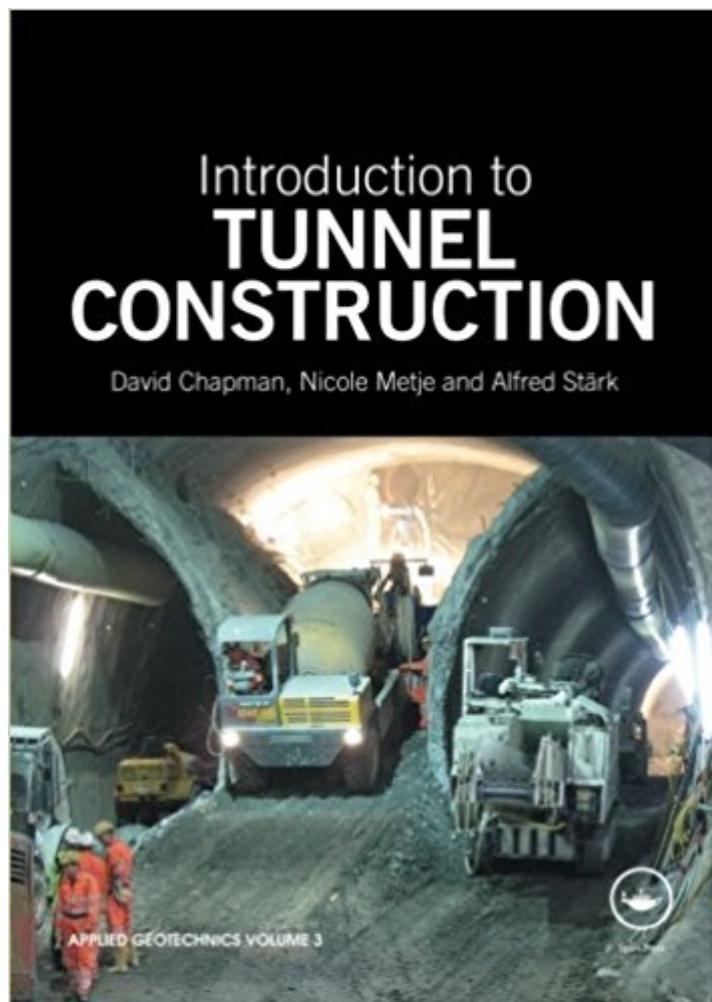


The book was found

Introduction To Tunnel Construction (Applied Geotechnics)



Synopsis

Tunnelling provides a robust solution to a variety of engineering challenges. It is a complex process, which requires a firm understanding of the ground conditions as well as structural issues. This book covers the whole range of areas that you need to know in order to embark upon a career in tunnelling. It also includes a number of case studies of real tunnel projects, to demonstrate how the theory applies in practice. The coverage includes:

- Both hard-rock and soft-ground conditions
- Site investigation, parameter selection, and design considerations
- Methods of improving the stability of the ground and lining techniques
- Descriptions of the various tunnelling techniques
- Health and safety considerations
- Monitoring of tunnels during construction

Clear, concise, and heavily illustrated, this is a vital text for final-year undergraduate and MSc students and an invaluable starting point for young professionals.

Book Information

Series: Applied Geotechnics

Paperback: 416 pages

Publisher: CRC Press; 1 edition (July 10, 2010)

Language: English

ISBN-10: 0415468426

ISBN-13: 978-0415468428

Product Dimensions: 6.8 x 0.9 x 9.7 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars 3 customer reviews

Best Sellers Rank: #172,737 in Books (See Top 100 in Books) #17 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Earthwork Design #32 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Waste Management #86 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

Customer Reviews

Invaluable to recently graduated engineers and university students ... A comprehensive work that could well become the standard introductory text for early stage tunnellers, and could attract more engineers into tunnelling. As such, it should be heavily promoted. •World Tunnelling

David Chapman is Reader in Geotechnical Engineering at the University of Birmingham, UK. Nicole

Metje is a Lecturer at the University of Birmingham, UK. Alfred Stark is a Senior Tunnelling Manager with the tunnelling contractor ALPINE BeMo Tunnelling GmbH in Innsbruck, Austria.

I recently read this book nearly cover to cover. If you are seeking a good working introduction into tunnel construction, I think this is a great place to start. I provide the following thoughts:- Pay attention to the book description provided by about what the book covers. If you are an engineer looking for a technical introduction into actual tunnel design/engineering this isn't it. However, I do think the review description quote "Clear, concise, and heavily illustrated, this is a vital text for final-year undergraduate and MSc students and an invaluable starting point for young professionals" is accurate - but don't forget the words "starting point." - It begins with what I thought was a very good historical development leading to current practices before moving on to tunneling related geotechnology. - It covers the traditional methods of drill and blast, road header, and TBM. It also briefly deals with micro-tunneling and boring large diameter vertical shafts. Tunnel lining techniques are also reviewed. - Personally, I think the text spent a disproportionate number of pages covering/endorsing the New Austrian Tunneling Method (NATM) with heavy emphasis on using shotcrete to line the tunnel, perhaps to the loss of explaining how NATM is any different from other techniques that inherently use the rock mass for tunnel support. - Extensive references and bibliography to provide a launch point for further inquiry. - While some of the above might sound pretty negative, I think this is an excellent and very thorough primer for those who already have some technical education and need or want to know more about tunneling. Good luck.

About 1/4 of the way through and seems like a decent primer on tunneling construction.

It is informative, nothing that you can not get from the internet.

[Download to continue reading...](#)

Introduction to Tunnel Construction (Applied Geotechnics) The Carpal Tunnel Helpbook: Self-Healing Alternatives for Carpal Tunnel and Other Repetitive Strain Injuries Carpal Tunnel Symptoms and Treatments: All about Carpal Tunnel Syndrome Causes, Diagnosing, Symptoms, Signs, Non-Surgical and Surgical Treatments, Alt Soil Behaviour in Earthquake Geotechnics (Oxford Engineering Science Series) Construction Contract Dispute and Claim Handbook, Introduction, and Division 01: A Primer on the Nature of Construction Contract Disputes for Attorneys, ... (Construction Contract Dispute Handbook) 2016 National Construction Estimator (National Construction Estimator) (National Construction Estimator (W/CD)) Differential Equations

and Their Applications: An Introduction to Applied Mathematics (Texts in Applied Mathematics) (v. 11) Introduction to the Foundations of Applied Mathematics (Texts in Applied Mathematics) Applied Functional Analysis: Applications to Mathematical Physics (Applied Mathematical Sciences) (v. 108) Applied Functional Analysis: Main Principles and Their Applications (Applied Mathematical Sciences) Principles of Mathematical Analysis (International Series in Pure and Applied Mathematics) (International Series in Pure & Applied Mathematics) Elena Bablenis Haveles BS Pharm Pharm D's Applied Pharmacology 6th (Sixth) edition(Applied Pharmacology for the Dental Hygienist [Paperback])(2010) Applied Biopharmaceutics & Pharmacokinetics, Sixth Edition (Shargel, Applied Biopharmaceuticals & Pharmacokinetics) Applied Biopharmaceutics & Pharmacokinetics, Fifth Edition (Shargel, Applied Biopharmaceuticals & Pharmacokinetics) Applied Therapeutics: The Clinical Use of Drugs (APPLIED THERAPEUTICS (KODA-KIMBLE)) Smith, Currie and Hancock's Common Sense Construction Law: A Practical Guide for the Construction Professional Construction Defect Claims: Handbook for Insurance, Risk Management, Construction/Design Professionals Construction Management JumpStart: The Best First Step Toward a Career in Construction Management Carpentry & Building Construction Student Edition (CARPENTRY & BLDG CONSTRUCTION) Building Construction Cost with Rsmeans Data (Means Building Construction Cost Data)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)