Stability And Seam Variation Analysis For Automotive Body

Analysis and Design Considerations for Superimposed Longwall Gate Roads
Rock Fragmentation by Blasting
Proceedings - Australasian Institute of Mining and Metallurgy
Advanced Technology in Exploration and Exploitation of Minerals 2nd
30th International Geological Congress, Beijing, China, 4-14 August 1996
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An Elastic Stability Analysis of the Mechanics of Puckering in Simulated Fabric Seams
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Mining Science and Technology
New Technology for Ground Control in Multiple-seam Mining
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Edited Proceedings, Third International Conference on Lead, Venice
Proceedings of the 5th International Symposium on Mining Science and Technology, Xuzhou, China 20-22 October 2004
Geometric Variations
Stability in Coal Mining
Review of Recent Research on Organizational and Behavioral Factors Associated with Mine Safety

FREDERICK CARLO

Analysis and Design Considerations for Superimposed Longwall Gate Roads San Francisco : Miller Freeman Publications

Lead 68: Edited Proceedings, Third International Conference on Lead Venice focuses on the compositions, characteristics, uses, and reactions of lead. The selection contains the proceedings of the Third International Conference on Lead held in Venice on September 17-20, 1968. The book first reviews the lead sheathed cables in France and Italy, including the utilization of lead sheathed cables in Italian telephone companies; lead sheathed power cables in France; and experience of Les Cables de Lyon on lead sheathing submarine cables. The text examines the influence of lead sheath thickness on service performance of power cables. The selection takes a look at developments in the quality control of extruded lead sheath cables. The seam-failure phenomena in cable sheaths and the techniques in testing seam strength are underscored. The text also offers information on the characteristics of lead alloys for oil-filled cable sheathing; the metallurgical investigations on a Pb-Sn-Sb alloy for cable sheathing; and studies on semi-sealed lead-acid batteries. The book also discusses the chemical and other applications of lead. Increase in resistance of lead to creep stress by reaction products formed in the melt and anodic and chemical corrosion of lead base alloys in sulfuric acid solutions are discussed. The selection is a vital source of data for readers interested in the compositions, characteristics, reactions, and uses of lead.

Rock Fragmentation by Blasting Geometric Product Specification and Verification: Integration of Functionality

This collection of papers, which was subjected to strict peer-review by 2 to 4 expert referees, aims to collect together the latest advances in, and applications of, traditional constructional materials, advanced constructional materials and green building materials. It cannot fail to suggest new ideas and strategies to be tried in this field.

Proceedings - Australasian Institute of Mining and Metallurgy CRC

Press
Geometric Product Specification and Verification: Integration of FunctionalitySpringer Science & Business Media
Scientific Publishers - MEAI
This comprehensive technical book on highwall mining covers theory and practice coupled with practical examples and design aspects. It contains eight extensive chapters elaborating broad-spectrum functionalities of highwall mining and its operational aspects, covering world scenario, economic potential, methods of coal extraction, design methodology including empirical web pillar design, numerical modelling for stress analysis, safety factor for web pillars, panel and barrier design, small-and large-scale numerical modelling, multiple seam interaction and design, coal web pillar strength, equivalent width concept, laboratory testing, new web pillar strength formula, effect of weak bands in coal seam, slope stability, safety and ground monitoring, hazards and regulatory requirements, case examples, norms and guidelines for practice. It also summarizes the results of research carried out by the CSIR Central Institute of Mining and Fuel Research (CSIR-CIMFR), India and the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia on the subject. The book will equip readers in understanding the complex, multiple seam scenarios for highwall mining, and its design for maximum coal recovery from any given site with better economics, which will aid the mining companies in extracting locked-up coal following the safety norms to avoid hazards and minimise instability issues. A large number of case studies is included to illustrate the application of numerical modelling for prior estimation and viability of highwall mining operations under varying geomining conditions. The book will be of interest to professionals and academics in the field of mining engineering specifically, but will also interest civil, geomechanical and geological engineers as well as rock mechanics professionals.
Advanced Technology in Exploration and Exploitation of Minerals 2nd Springer Nature
A collection of 125 papers on mine planning and selection of equipment, covering such topics as: design and planning of surface and undergroung mines; planning and equipment selection for difficult mining conditions; equipment selection procedures; and mine and equipment information systems.
30th International Geological Congress, Beijing, China, 4-14 August 1996 CRC Press
Jointly sponsored by the China University of Mining and Technology and the University of Nottingham, UK, a total of 187 papers have been included in the proceedings, of which fifty-two are contributed by authors outside of China. Scholars and experts from both China and abroad discuss and exchange information on the latest developments in mining sc
Abstracts John Wiley & Sons
This text covers the use of computer applications in the mineral industries, encompassing topics such as the use of computer visualization in mining systems and aspects such as ventilation and safety.
Product Life-Cycle Management CRC Press
This book is a compilation of selected papers from the 10th International Field Exploration and Development Conference (IFEDC 2020). The proceedings focuses on Reservoir Surveillance and Management, Reservoir Evaluation and Dynamic Description, Reservoir Production Stimulation and EOR, Ultra-Tight Reservoir, Unconventional Oil and Gas Resources Technology, Oil and Gas Well Production Testing, Geomechanics. The conference not only provides a platform to exchanges experience, but also promotes the development of scientific research in oil & gas exploration and production. The main audience for the work includes reservoir engineer, geological engineer, enterprise managers senior engineers as well as professional students.
Energy Research Abstracts CRC Press
Rock Mechanics: Achievements and Ambitions contains the papers accepted for the 2nd ISRM International Young Scholars' Symposium on Rock Mechanics, which was sponsored by the ISRM and held on 14–16 October 2011 in Beijing, China, immediately preceding the 12th ISRM Congress on Rock Mechanics. Highlighting the work of young teachers, researchers and practitioners, the present work provides an important stimulus for the next generation of rock engineers, because in the future there will be more emphasis on the use of the Earth's resources and their sustainability, and more accountability of engineers' decisions. In this context, it is entirely appropriate that the Symposium venue for the young scholars was in China — because of the rock mechanics related work that is anticipated in the future. For example, in the Chinese Academy of Sciences report, "Energy Science and Technology in China: A Roadmap to 2050", it is predicted that China's total energy demand will reach 31, 45, 61 and 66 x 108 tce (tonnes of coal equivalent) in 2010, 2020, 2035, 2050. The associated per capita energy consumption for the same years is estimated at 2.3, 3.1, 4.1 and 4.6 tce. This increasing demand will be met, inter alia, by the continued operation and development of new coal mines, hydroelectric plants and nuclear power stations with one or more underground nuclear waste repositories, all of which will be improved by more modern methods of rock engineering design developed by young scholars. In particular, enhanced methods of site investigation, rock characterisation, rock failure understanding, computer modelling, and rock excavation and support are needed. The topics in the book include contributions on: - Field investigation and observation - Rock constitutive relations and property testing - Numerical and physical modeling for rock engineering - Information technology, artificial intelligence and other advanced techniques - Underground and surface excavation and reinforcement techniques - Dynamic rock mechanics and blasting - Predication and prevention of geo-environmental hazard - Case studies of typical rock engineering Many of the 200 papers address these topics and demonstrate the skills of the young scholars, indicating that we can be confident in the continuing development of rock mechanics and rock engineering, leading to more efficient, safer and economical structures built on and in rock masses. Rock Mechanics: Achievements and Ambitions will appeal to professionals, engineers and academics in rock mechanics, rock engineering, tunnelling, mining, earthquake engineering, rock dynamics and geotechnical engineering.
Canadian Geotechnical Journal Elsevier
2012 International Conference on Environment Science and 2012 International Conference on Computer Science (ICES 2012/ICCS 2012) will be held in Australia, Melbourne, 15-16 March, 2012.Volume 1 contains some new results in computational environment science. There are 47 papers were selected as the regular paper in this volume. It contains the latest developments and reflects the experience of many researchers working in different environments (universities, research centers or even industries), publishing new theories and solving new technological problems on computational environment science. The purpose of volume 1 is interconnection of diverse scientific fields, the cultivation of every possible scientific collaboration, the exchange of views and the promotion of new research targets as well as the further dissemination, the dispersion, the diffusion of the environment science, including but not limited to Ecology, Physics, Chemistry, Biology, Soil Science, Geology, Atmospheric Science and Geography We are sure that the efforts of the authors as well as the reviewers to provide high level contributions will be appreciated by the relevant scientific

community. We are convinced that presented volume will be a source of knowledge and inspiration for all academic members, researchers and practitioners working in a field of the topic covered by the book.

Highwall Mining Society for Mining, Metallurgy & Exploration

This book, written for the benefit of engineering students and practicing engineers alike, is the culmination of the author's four decades of experience related to the subject of electrical measurements, comprising nearly 30 years of experimental research and more than 15 years of teaching at several engineering institutions. The unique feature of this book, apart from covering the syllabi of various universities, is the style of presentation of all important aspects and features of electrical measurements, with neatly and clearly drawn figures, diagrams and colour and b/w photos that illustrate details of instruments among other things, making the text easy to follow and comprehend. Enhancing the chapters are interspersed explanatory comments and, where necessary, footnotes to help better understanding of the chapter contents. Also, each chapter begins with a "recall" to link the subject matter with the related science or phenomenon and fundamental background. The first few chapters of the book comprise "Units, Dimensions and Standards"; "Electricity, Magnetism and Electromagnetism" and "Network Analysis". These topics form the basics of electrical measurements and provide a better understanding of the main topics discussed in later chapters. The last two chapters represent valuable assets of the book, and relate to (a) "Magnetic Measurements", describing many unique features not easily available elsewhere, a good study of which is essential for the design and development of most electric equipment – from motors to transformers and alternators, and (b) "Measurement of Non-electrical Quantities", dealing extensively with the measuring techniques of a number of variables that constitute an important requirement of engineering measurement practices. The book is supplemented by ten appendices covering various aspects dealing with the art and science of electrical measurement and of relevance to some of the topics in main chapters. Other useful features of the book include an elaborate chapter-by-chapter list of symbols, worked examples, exercises and quiz questions at the end of each chapter, and extensive authors' and subject index. This book will be of interest to all students taking courses in electrical measurements as a part of a B.Tech. in electrical engineering. Professionals in the field of electrical engineering will also find the book of use.

Proceedings of the 37th International Conference on Ground Control in Mining CRC Press

Rock Fragmentation by Blasting contains the papers presented at the 10th International Symposium on Rock Fragmentation by Blasting (New Delhi, India, 26-29 November 2012), and represents the most advanced forum on blasting science and technology. The contributions cover all major recent advancements in blasting and fragmentation, from realistic tre

Selected papers from 2012 International Conference on Environment Science (ICES 2012), Australia, Melbourne, 15-16 January, 2012 Trans Tech Publications Ltd

This book contains the Proceedings of EUROCK 2013 - The 2013 ISRM International Symposium, which was held on 23-26 September 2013 in Wroclaw, Poland. The Symposium was organized by the ISRM National Group POLAND and the Institute of Geotechnics and Hydrotechnics of the Wroclaw Institute of Technology. The focus of the Symposium was on recent develo

Dissertation Abstracts International Taylor & Francis

The International Conference on Ground Control in Mining has a rich history of advancing ground control techniques and knowledge. It provides a unique platform for researchers, regulators, consultants, manufacturers, and mine operators to present and exchange challenging industry topics as well as to expedite solutions to ground control problems that require immediate attention. This proceedings from the 37th International Conference is no exception. It includes 47 peer-reviewed research papers from industry experts covering topics of importance for today and the future.

Information Circular Springer Science & Business Media

The basic principles of geomechanical processes occurring in mine workings during the extraction of minerals are discussed in this monograph. Particular attention is paid to the support system, specifically to the various roof-bolt and frame support designs, and also to the modern means providing resource-saving conditions for ensuring mine workings sustainability. The basic principles of the computing experiment performance at the modelling of geomechanical processes are also presented and the stress-strain state of "rock massif – mine working support" systems are investigated. Finally, the results of field studies are discussed and illustrated. Modern studies are presented in this work, the advanced support systems are introduced and the solution to the problem of low-cost rock pressure control in mine workings is described. Further the unique study in the thin-layer massif of weak rocks is conducted and the technical and economic aspects of mine workings maintenance during rocks heaving are described. The book will be of interest to scientists in research and design organizations in the mining sector, engineers and technological workers in mines, as well as university academics and students.

Evaluation of TEOM Dust Monitor CRC Press

This book gives a comprehensive view of the most recent majorinternational research in the field of tolerancing, and is anexcellent resource for anyone interested in Computer AidedTolerating. It is organized into 4 parts. Part 1 focuses on the more generalproblems of tolerance analysis and synthesis, for tolerancing inmechanical design and manufacturing processes. Part 2 specificallyhighlights the simulation of assembly with defects, and theinfluence of tolerances on the quality of the assembly. Part 3deals with measurement aspects, and quality control throughout thelife cycle. Different measurement technologies and methods forestimating uncertainty are considered. In Part 4, different aspectsof tolerancing and their interactions are explored, from thedefinition of functional requirement to measurement processes in aPLM approach.

Springer Science & Business Media

Selected Conference Papers of the 7th CIRP International Seminar on Computer-Aided Tolerancing, held at the Ecole Normale Supérieure de Cachan, France, 24-25 April 2001

Advanced Building Materials CRC Press

Combined Roof-Bolting Systems of Mine Workings CRC Press

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