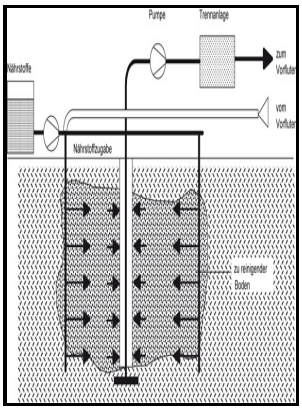
Formulierung eines Gebirgsschlagkriteriums für den Steinkohlenbergbau mit Hilfe eines Finite-Differenzen-Verfahrens

Institut für Bodenmechanik und Felsmechanik der Universität Fridericiana - Die Problematik gebirgsmechanischer Vorgänge im Steinkohlenbergbau



Description: -
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Osuna (Spain) -- History -- 19th century.
Peninsular War, 1807-1814 -- Campaigns -- Spain -- Osuna.
Peninsular War, 1807-1814 -- Occupied territories -- Spain -- Osuna.
Nets (Mathematics)
Bituminous coal.
Coal mines and mining -- Mathematical models.Formulierung eines Gebirgsschlagkriteriums für den Steinkohlenbergbau mit Hilfe eines Finite-Differenzen-Verfahrens
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new ser., v. 8
Encyclopedia of plant physiology ;
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Veröffentlichungen des Institutes für Bodenmechanik und Felsmechanik der Universität Fridericiana in Karlsruhe ; Heft 83Formulierung eines Gebirgsschlagkriteriums für den Steinkohlenbergbau mit Hilfe eines Finite-Differenzen-Verfahrens
Notes: Bibliography: p. 116-117.
This edition was published in 1979

Tags: #Rock #bursting #as #a #surface #instability #phenomenon

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Surface spalling is a complex failure phenomenon that features crack propagation and detachment of thin pieces of rock near free surfaces, particularly in brittle rock around underground excavations when large in situ stresses are involved. Vardoulakis I, Labuz JF, Papamichos E, Tronvoll J 1998 Continuum fracture mechanics of uniaxial compression on brittle materials. Drescher A, de Josselin de Jong G 1972 Photoelastic verification of a mechanical model for the flow of a granular material.

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Inelastic Strain and Damage in Surface Instability Tests. The axial and lateral displacements suggested that the displacement gradient was uniform in both directions at early loading stages and as the load increased, the free-face effect started to influence the displacements, especially the lateral displacement field.

Inelastic Strain and Damage in Surface Instability Tests

Cai M 2008 Influence of intermediate principal stress on rock fracturing and strength near excavation boundaries- Insight from numerical modeling. Makhnenko RY, Labuz JF 2014 Plane strain testing with passive restraint.

Models of translatory rock bursting in coal

Vardoulakis I, Labuz JF, Papamichos E 1991 Surface instability detection apparatus. Can Geotech J 44 9 :1082—1116. A surface instability apparatus was used to study failure of rock close to a free surface, and damage evolution was monitored by digital image correlation DIC.

A surface instability detection apparatus

Insights on surface spalling of rock. VS Verlag für Sozialwissenschaften, Wiesbaden.

Rock bursting as a surface instability phenomenon

Rice JR 1976 The localization of plastic deformation. Meyer JP, Labuz JF 2013 Linear failure criteria with three principal stresses.

A surface instability detection apparatus

Schapermeier E 1979 Formulierung eines Gebirgsschlagkriteriums für den steinkohlenbergbau mit Hilfe eines Finite-Differenzen-Verfahrens Formulation of a rockburst criterion for hard coal mining using a finite difference method, In German. Martin CD, Read RS, Martino JB 1997 Observations of brittle failure around a circular test tunnel.

Related Books

- Jamelas dress
- Razgovor ugodni - izbor
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