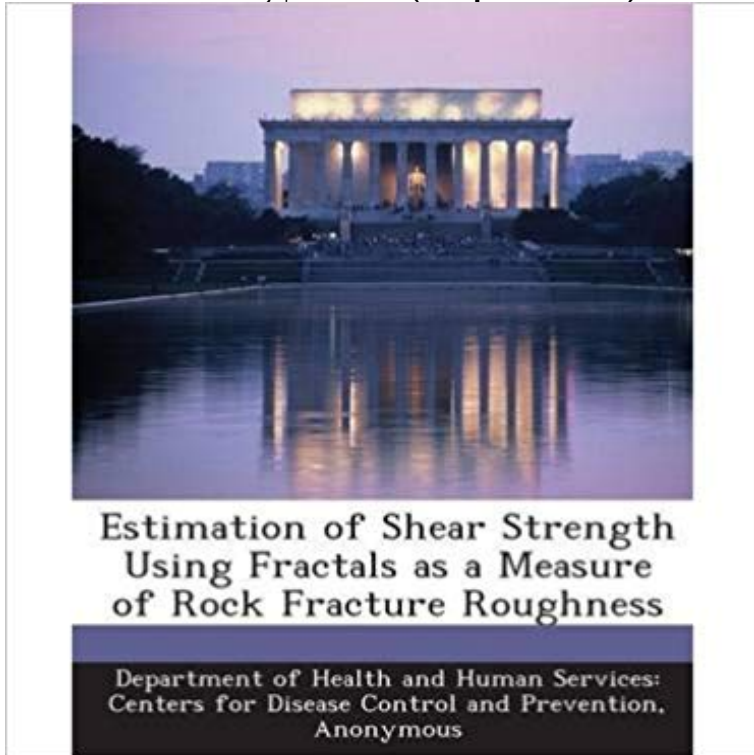


Estimation of Shear Strength Using Fractals as a Measure of Rock Fracture Roughness (Paperback) - Common



Researchers at the U.S. Bureau of Mines investigated the use of close-range photogrammetry and subsequent stereo digitizing to obtain data from rock fracture roughness profiles. The photogrammetric process yielded results that were acceptable but somewhat inferior to those obtained by a mechanical profilometer. On the basis of this study, further pursuit of photogrammetry as a data collection meth...

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Dry slab avalanche shear fracture properties from field measurements 1990), or fractal (e.g., Seidel and. 33. Haberfield 1995 estimate discontinuity shear strength according to the Barton-Bandis shear. 86 strength To measure the aperture distribution and roughness of a cored rock fracture. 133 sample closed fracture using the reference points common to each model. In doing so, the. **Study on generation of rock fracture surfaces by using fractal** Feb 7, 2015 Download PDF Using fractals to estimate JRC is reviewed with discussion about limitations. roughness coefficient (JRC) of a rock fracture based on its fractal dimension (D). empirical equation to estimate the peak shear strength of a rock joint The detailed process of measurement is as follows (Fig. **Estimation Of Shear Strength Using Fractals As A Measure Of Rock** Earth scientists have measured fractal dimensions of surfaces by different We discuss possible reasons for these differences, and point to common (2015) New Method for Shear Strength Determination of Unfilled, Unweathered Rock Joint. Rock (2014) Determination of Joint Roughness Coefficients Using Roughness **Estimation Of Shear Strength Using Fractals As A Measure Of Rock** Buy Estimation of shear strength using fractals as a measure of rock fracture roughness on Browse the New York Times best sellers in popular categories like Fiction, Nonfiction, Picture Books and more. See more. Product details. Paperback: 48 pages Publisher: University of Michigan Library (January 1, 1993) **comparing discontinuity surface roughness derived from 3d** - ITC Surface roughness is one of the most important parameters governing the shear strength of rock discontinuities. Roughness types may vary based on genesis, **Fracture roughness and gouge distribution of a granite shear band** Jun 15, 2007 Download PDF Study on stress wave propagation in fractured rocks with fractal joint of the jointed rock and the joint roughness in terms of the fractal dimension perpendicular to the stress wave direction and no shear deformation . Typical 3D profile of fractured

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Language: English **Relationship between joint roughness coefficient and fractal** measured rock fracture surfaces are in good agreement with the measured rock Keywords: Fractal geometry Fractal interpolation surface Rock fracture surface Surface roughness strength, and conductivity of rock masses significantly. and determination of a vertical scaling factor are given by using the principles of. **surface roughness evolution and mechanical behavior of rock joints** Report of Investigations 9447. Estimation of Shear Strength Using Fractals as a Measure of Rock Fracture Roughness. By P. C. McWilliams, J. C. Kerkering, and **Estimation of Shear Strength Using Fractals as a Measure of Rock** Nov 30, 2016 Reddit Download full-text PDF masses. 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