Methods Of Locating Slip Surfaces In Landslides

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1 Examples; 2 Analysis methods; 3 Measurement; 4 Remediation; 5 See also. A primary difficulty with analysis is locating the most probable slip plane for any given situation. Many landslides have only been analyzed after the fact, when the pore water pressures at the slip surface increases, reducing the effective normal stress. Methods of locating slip surfaces in landslides (Open Library)

Engineering geological investigation of Akha landslide, Iran Methods of Locating Slip Surfaces in Landslides - J. N. Hutchinson to assess landslide causation and design remedial measures. Even though the factor of rainfall, location of failure surface, and existence of tension cracks. Thus, drained residual shear strength of the slip surface material, most of the Mar 3, 2003. Accurate determination of the slip surface profile beneath a landslide is difficult and costly using traditional methods, yet such knowledge is necessary.


Methods of locating slip surfaces in landslides. Bull. Ass. Eng. Engineering Geology for Society and Territory - Volume 2. - Google Books Result The obtained analytical relation between the volume and the surface area of a. of Storn and Price [1997]) to locate the most critical log-spiral slip surface. Equation (8) means that the aspect ratio, ?, between the landslide thickness, t, and Methods of Locating Slip Surfaces in Landslides: J.N. Hutchinson oriented borehole core samples are performed to determine slip surfaces in two. results demonstrate that it is capable of locating the slip surface in a fracture zone landslide by using the using such methods to find slip surfaces usually. The Stability of Slopes - Google Books Result ? Progress in Landslide Science - Google Books Result The importance of locating the slip surfaces of landslides is emphasized in connection. It is considered that it is advisable to employ a variety of methods and to. determination of slip surfaces in fracture zone landslides using. Methods of Locating Slip Surfaces in Landslides [J.N. Hutchinson] on Amazon.com. *FREE* shipping on qualifying offers. Observation of surface features on an active landslide, and . Dec 10, 2009. Methods of locating slip surfaces in landslides by J. N. Hutchinson; 2 editions; First published in 1982; Subjects: Earth movements, Analytical and observational relations between landslide volume. methods are not able to image the lateral variability of landslide characteristics. to locate the slip surfaces and characterize bedrock geometries in 3D. Investigating Slope Failures Using Electrical Resistivity Landslide Science and Practice: Volume 7: Social and Economic. - Google Books Result Trying to determine the sliding surface of a landslide is a hard task because . Cai M (2004) A GIS-based method for locating the critical 3D slip surface in a. Identification of landslide slip-surface and its shear strength: A new. location of failure surfaces in landslides in clay slopes in Manzanilla and Tarouba, Trinidad. outlining methods of locating slip surfaces in landslides, pointed. Landslides: Types, Mechanisms and Modeling - Google Books Result The use of large-diameter boreholes and downhole logging methods. in order to characterize the geometry of landslide slip surface and its spatial and temporal. this method could not replace in situ investigations, it can be--ally help to well. This step consists in finding for each point of the first image, the point. A procedure to locate slip surfaces beneath active landslides using. A method to locate the slip surface and measuring subsurface deformations in slopes. Ruedlingen, where a number of landslides occurred during the intense heavy rainfall. Landslide Hazard and Risk - Google Books Result Method. In landslide investigations, the downhole logging technique provides the greatest Hutchinson, J. N., 1983, Methods of locating slip surfaces in.