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Guangfan Li, Chaohe Chen

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The article titled "A New Method of Fracture Designing to Elevate SRV in Natural Fractured Sandstone Reservoir" by D.W. Weng, Q. Lei, Z.Y. Guo, and Y. Luo discusses a novel method for designing fractures to enhance secondary recovery (SRV) in sandstone reservoirs, focusing on the impact of natural fractures on fluid flow and recovery efficiency.

Another important study is "A Mathematical Model for the Pipeline Transportation of Soft Clay" by W.Z. Zhu, S.H. Wu, and S.L. Tao, which presents a comprehensive mathematical model to predict the behavior of pipelines transported over soft clay environments, ensuring safety and efficiency in construction.

L. Zhang, D. Pang, and J. Liu's work on "Integral Anti-Slide Stability Analysis of RCC Gravity Dam" explores the stability analysis of RCC gravity dams, emphasizing the integral approach to assessing anti-slide stability under various loading conditions.


X. Zhang, X.H. Bai, and W.B. He's work on "The Experiment of Deformation and Internal Force of Soft Pipeline Caused by Subsoil Settlement" investigates the deformation and internal force in soft pipelines due to subsoil settlement, providing insights into the behavior of pipelines in such contexts.

H. Tian, Y.W. Ju, and X.H. Bai's study, "Deep Excavation Caused by the Impact of the Adjacent Buried Pipeline Destroy the Analysis," addresses the impact of deep excavations on adjacent buried pipelines, focusing on the analysis of potential damage and mitigation strategies.

J. Zhang, W.B. Liu, and L.J. Su's research on "Analysis of the Deformation Field in the Direct Shear Test with Use of DPDM" explores the deformation field in direct shear tests using DPDM (Digital Image Correlation), offering valuable insights into soil behavior under shear stress.


Z.L. Chen, W.B. He, and X.H. Bai's study, "Taiyuan Underground Pipeline Testing and Analysis of Deformation and Failure," investigates pipeline testing and the analysis of deformation and failure, providing critical insights into pipeline integrity and safety.


X.Y. Ding, Y.K. Zhang, and D. Zhang's research, "Research of Embankment Dam Structural Safety," focuses on the structural safety of embankment dams, emphasizing the importance of comprehensive safety assessments.

K.D. Tang, R.L. Jing, and C. Wang's study, "Spillway Design for Xiaoguo Reservoir Danger Control and Reinforcement Project," addresses the design of spillways for the Xiaoguo Reservoir, considering danger control and reinforcement measures.


Z. Lv's study, "The Seismic Analysis of an Exhibition in Shanxi," examines the seismic analysis of an exhibition facility in Shanxi, considering potential seismic impacts and safety measures.

H.L. Wu, X.F. Du, S.H. Qin, Y. Li, and Q. Li's research, "Influence of Concrete Tension Softening Properties on the Steel-Liner Reinforced Concrete Penstock," explores the influence of concrete tension softening properties on the performance of steel-liner reinforced concrete penstocks, providing insights into material selection and design.


Chapter 7: Other Topics


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A Mathematical Model for the Pipeline Transportation of Soft Clay
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