

TABLE OF CONTENTS

目 录

Prestress Measurement and Control of Steel Strand in Reinforcing a Grid Structure
(加固某网架结构的钢绞线中预应力测控)

G. X. LIU, H. G. LEI, X. Y. HAO, L. NING, S. FENG.....117

Analysis of Influencing Factors of Lateral Deformation of Underground Continuous Wall
(地下连续墙侧向变形影响因素分析)

J. YUAN, X. WU, Q. W. PENG, J. P. CHEN.....124

**The Key Factors of Promoting the Use of Green Building Materials for Interior Design
and Decoration**

(绿色设计与装修建材使用率提升的关键因素分析)

G. LI, H. XIONG.....132

Analysis of the Cause of U Type Pile Landslide Accident in Curved Section of Fenghua River
(奉化江堤防弯道段 U 型板桩滑坡事故原因分析)

D. G. JIN, G. H. HE.....141

Stress Concentration Analysis of the X-Type Steel Pipe's Joints
(大跨空间结构 X 型方钢管相贯节点应力集中分析)

Y. ZHANG, H. G. LEI, Y. J. YAN, B. QIU.....149

**Optimization Design of Gradation for MS-III Micro-Surfacing Based on High Temperature
Performance**

(基于高温性能的 MS-III 微表处混合料级配优化设计)

F. JIANG, A. L. YAO, T. Y. WANG, F. LI.....159

The Mixture's Proportion Design Method and Frost Resistance of Porous Concrete
(多孔混凝土的配合比设计方法及其抗冻性能)

A. L. YAO, R. S. HAO, W. K. HE, X. C. ZHANG.....168

**Simulation Analysis of Construction of Underground Plant for Wendeng Pumped
Storage Project**

(文登抽水蓄能电站地下厂房施工仿真分析)

Y. Q. XU, C. J. LIU, X. XI, C. H. HE, S. J. FU.....177

**Simulation Analysis on Mechanical Property and Waterproof Performance of Segment
in the Shield Construction Tunnel**

(煤矿斜井隧道管片力学性能及防水性能仿真分析)

T. C. LI.....183

**Hydration, Microstructure and Mechanical Properties of the Research Progress
of Ultra-High-Performance Concrete**

(超高性能混凝土的水化、微观结构和力学性能研究进展)

P. ZHANG, E. L. WANG, Y. XIA, D. Y. GAO, P. W. GUAN.....194

Dynamic Analysis of Wind Turbine Blade with the Rigid-Flexible Coupling Effect

(考虑刚柔耦合效应的风力机叶片动力学分析)

K. Q. GAO, Z. Q. ZHANG.....205

Experimental Study on Indoor Physical Model of h-Type Anti-Slide Pile

(h 型抗滑桩室内物理模型实验研究)

T. Y. LI, X. B. WANG, Y. ZHANG, L. Z. XIE.....214

**Technology Application of Polycarboxylate Superplasticizer in the Prefabricated T-Typed
Beam of Menghua Railway**

(聚羧酸高性能减水剂在蒙华铁路预制 T 梁中的技术应用)

X. SUN, X. M. QU, T. H. WU, Y. F. ZHANG.....222

**Calculation of Bending and Shear Deformations of Non-Prismatic Corrugated Steel Web
Composite Box Girders Based on Simpson Formula**

(基于辛普森公式的变截面波形钢腹板组合箱梁弯曲和剪切变形计算)

M. L. MA, Z. C. WANG, W. X. REN.....231

Stability Analysis of Wendeng Underground Plant According to Excavation Schemes

(文登地下厂房开挖方案围岩稳定性分析)

C. Y. WU, S. J. FU, H. L. SHANG, S. F. WANG, X. XI, C. H. HE.....244

Safety Analysis of Deep Deformation Deep Foundation Pit Based on Geotechnical Parameter Variation

(基于岩土参数变化的大变形深基坑安全性分析)

W. P. ZHANG, B. H. LIN.....255

Material Design of Cement Stabilized Semi-Rigid Base Course Based on Cracking Resistance

(基于抗裂性能的水泥稳定类半刚性基层材料设计)

Y. M. WANG, L. JI, G. L. WANG, H. Q. LIU, J. LI.....270

Analysis and Calculation Method of Specific Surface Area on Irregular Particles-Mineral Aggregate

(不规则颗粒 - 集料的比表面积分析)

W. G. SUN, L. JI, J. LI, H. Q. LIU, W. D. HE.....279

Research on the Performance of Foamed Light Soil Treating Abutment Jump

(应用于治理桥头跳车的泡沫轻质土性能研究)

C. LI, S. L. HAN, Z. Y. LI, C. HUO, M. X. SHI.....287

Study on Self-Balance Test of Pile Foundation and Force Characteristics of Piles

in Highway Reconstruction Engineering

(高速公路改建工程桩基自平衡试验及桩的受力特性研究)

F. L. HU, Q. ZHANG, X. Q. HE.....294