# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research and Application of Digital Construction Technology Based on 3D Printing</td>
<td>Z. B. Zuo, Y. L. Huang, X. J. Wu</td>
<td>765</td>
</tr>
<tr>
<td>Relationship between Compressive Strength and Flexural Strength of PVA-DSECC</td>
<td>Y. X. Zhang, J. L. Che, G. P. Xia, D. Wang, W. Guo</td>
<td>774</td>
</tr>
<tr>
<td>Multi-Objective Optimization Design for FRC Diagonally Reinforced Coupling Beams with Small Span-to-Depth Ratio</td>
<td>S. J. Yang, J. L. Che</td>
<td>781</td>
</tr>
<tr>
<td>Study on Urban Collapsibility Soil</td>
<td>Z. G. Han, G. Z. Zhang</td>
<td>790</td>
</tr>
<tr>
<td>Design of Safe Pressure-Dispersion Anchor Cable and Application in Subway Station Construction</td>
<td>B. Jiang, Z. L. Chen, X. Song, Y. D. Jiang</td>
<td>808</td>
</tr>
<tr>
<td>Study on Mechanical Properties of Magnesia Cement Lightweight Seawater Concrete</td>
<td>X. W. Ma, Z. S. Jiang, H. Xue</td>
<td>814</td>
</tr>
<tr>
<td>Energy Consumption Simulation Analysis of an Office Building Based on EnergyPlus</td>
<td>D. X. Huang, Y. LV, Y. J. Feng, M. Q. Ni</td>
<td>826</td>
</tr>
<tr>
<td>Experimental Study on Relationship between Buoyancy and Depth of Underground Structure</td>
<td>S. Wang, S. F. Feng, L. Zhao, L. Sun, S. Huang, X. Mao</td>
<td>833</td>
</tr>
<tr>
<td>Study on Slope Stability of Yun’an 6 Well Reservoir in Three Gorges Reservoir Area</td>
<td>X. Tu, K. Yang, P. D. Su</td>
<td>840</td>
</tr>
</tbody>
</table>
Centrifugal Model Tests of Consolidation Process of the Filled Soil in Geotextile Tubes
(土工管袋填充土体固结过程的离心模拟试验)
H. LI, L. Q. XIE, P. P. ZHANG

Research on Deformation Detection Method of Vertical Storage Tank Based on Total Station Coordinate Measurement
(基于全站仪坐标测量的立式储罐变形检验方法研究)
Z. J. HUANG, K. QIN, L. ZHANG, Y. LIU, D. ZHANG, J. Q. SHI

Experimental Study on Seismic Behavior of Concrete Box Columns Based on the Change of Steel Reinforcement Ratio
(基于配筋变化下的混凝土箱型柱抗震性能试验研究)
W. GENG, F. LIU

Optimization Analysis of Bridge-Completing Cable Force for Extradosed Concrete Cable-Stayed Bridges
(矮塔混凝土斜拉桥成桥索力优化分析)
X. SHEN, L. XIAO, W. SUN, J. B. CHEN

Assessment of Existing Bridge Health Status Based on the Static Load Test
(基于静载试验的既有桥梁健康状况评估)
M. CAI, C. Y. WANG, Z. Y. WANG

Application of Analytic Hierarchy Process to Assessment of Flood Resistance of Mountain Highway Bridges
(基于层次分析法在山区公路桥梁抗洪能力评估中的应用)
W. Y. YAN, T. TANG

Actual Measurement and Numerical Analysis of Adjacent Bridge Piles in Foundation Pit Excavation
(基坑开挖对邻近桥桩影响的实测及数值分析)
H. L. HUANG, B. H. LIN

Field Detection and Simulation Analysis of CFG Pile Composite Foundation
(CFG 桩复合地基现场检测与模拟分析研究)
Y. K. YUAN, A. J. LIU, Y. Q. JIAO, C. B. LIU

Experimental Study on Pre-Excavation of Wuzhun Railway Bridge Affected by Shield
(盾构影响乌准铁路桥预掘进实验研究)
J. SHI

Application of Distributed Optical Fiber Sensing Technology in Static Load Test of Precast Large Box Girder Bridge
(预制大箱梁桥静载试验中分布式光纤传感技术的应用)
The Calculation of Ultimate Strength for Axial-Loaded Square CFT Stub Columns
(轴压下方形钢管混凝土短柱承载力的计算)
G. SUN, X. R. ZHUO, G. X. OU, H. Y. QIU………………………………………………………………….938

Study on Reasonable Width of Gob-Side Entry Driving in Three Soft Coal Seam
(三软沿空掘巷合理护巷煤柱宽度研究)
F. Y. CHU………………………………………………………………………………………………………………….943

Mixing Viscosity and Workability of Different Bituminous Mixtures
(不同沥青混合料的拌和黏度及和易性)
J. L. ZHU, H. X. AN, J. M. LIU, A. LI, X. L. YAN…………………………………………………………………950

Study on Anti-Rutting Performance of Different Asphalt Pavement Materials
(不同沥青加铺材料抗车辙性能研究)
L. H. ZHAN, Y. S. WEI…………………………………………………………………………………………………….959

Mechanical Analysis of Long-Span Continuous Beam Arch Bridge under Incremental
Launching Construction
(大跨度连续梁拱桥顶推施工力学行为分析)
J. B. CHEN, Y. Q. LI, L. N. XING, J. B. JIANG………………………………………………………………………969