

中國土木水利工程學刊

中華民國九十四年六月

第十七卷 第二期

目 錄

論 文

- 邊坡穩定三向度效應之初步探討 張睦雄 195
- 隧道通過不同勁度岩體之變形行為研究 彭嚴儒 陳堯中 徐仕璋 205
- 利用中空三軸試驗探討泥岩材料之力學特性 李德河 林宏明 葉信宏 217
- 斜坡矩形束縮渠道上的水躍特性 詹錢登 張家榮 227
- 孔頸網絡模型模擬孔隙介質二相流特徵曲線之研究
II. 相對滲透率曲線 鄭安孺 李天浩 235
- 轉爐石作為道路基底層及工程土方材料再生利用之
力學特性研究 王金鐘 李德河 245
- 波動引致海床砂土液化機制探討—動力三軸試驗 簡連貴 張志新 257
- 柔性鋪面於非均佈荷重下之承載效應 張永生 張瑞宏 黃偉慶 李旻霖 269
- 應用基因演算法於結構動力參數識別 王淑娟 林信宏 281
- 利用集集大地震資料建立建築物地震危險度評估模式
II. 易損曲線與風險評估分析 李秉乾 周天穎 雷祖強 林哲彥 吳政庭 293
- 應用賽局理論分析高科技廠房工程競爭行為之研究 黃榮堯 劉建忠 301
- 側向載重樁之溫克地盤反力模數 邱俊翔 陳正興 311
- 以邏輯迴歸法建立 CPT 數據之土壤分類及液化評估模式 賴聖耀 321
- 以整合式模糊群聚類神經網路評估土壤液化 陳俶季 李煜仕 張延任 盧致仁 335

技術短文

- 鋼筋與混凝土界面黏結品質變異之頻譜反應分析 林喻峰 林宜清 蔡博堯 349
- 應用地質統計法於地下水質監測井網密度之研究 丁澈士 戴維良 355
- 利用飽和流率分析號誌化路口車道容量之重新檢視 曾平毅 林豐博 363
- 網際地理資訊專家系統建構工具開發—以坡地災害潛勢評估為例

Journal of the Chinese Institute of Civil and Hydraulic Engineering

June, 2005

Vol. 17, No. 2

CONTENTS

Papers

- Preliminary Study on Slope Stability Three-Dimensional Effect Muhsiung Chang 195
- The Deformation Behavior of Tunnels Passing Through Rock Mass with Different Stiffness
..... Yan-Ru Peng, Yao-Chung Chen, Shr-Jang Shiu 205
- Mechanical Behaviors of Mudstone in Hollow Cylinder Test Der-Her Lee, Shin-Hung Yeh, Hung-Ming Lin 217
- Hydraulic Jumps in a Sloping Rectangular Channel with a Gradually Contracting Width
..... Chyan-Deng Jan, Chia-Jung Chang 227
- Modeling the Characteristic Curves of Two-Phase Flow in Porous Media Using Pore-Level Network
II. The Relative Permeability Curves Anne Ru Cheng, Tim Hau Lee 235
- A Study on the Mechanical Characteristic of Basic Oxygen Furnace Slag Material for Its Recycling Use as Highway
Base and Sub-Base Layers and Soil Material Chin-Chung Wang, Der-Her Lee 245
- The Study of Liquefaction Mechanism for Seabed Sand Under Wave Loading – Cyclic Triaxial Test
..... Lien-Kwei Chien, Chih-Hsin Chang 257
- Effects on Flexible Pavement Due to Non-Uniform Contact Stresses
..... Yung-Sheng Chang, Jui-Hung Chang, Wei-Hsing Huang, Min-Lin Li 269
- Application of Genetic Algorithm to Structural Dynamic Parameter Identification
..... Grace S.-C. Wang, Hsin-Hung Lin 281
- Study on the Seismic Building Damage Assessment Model Based on the Chi Chi Earthquake Damage Data:
II. Fragility Curves and Seismic Building Risk Analysis
..... Bing-Jean Lee, Tien-Yin Chou, Cheng-Ting Wu, Tsu-Chiang Lei, Jer-Yan Lin 293
- Application of Gaming Theory for Development of Competing Strategies for Contractors
in the High-Tech Construction Market Rong-Yau Huang, Chien-Chung Liu 301
- Subgrade Modulus Used for Winkler Analysis of a Laterally Loaded Pile
..... Jiunn-Shyang Chiou, Cheng-Hsing Chen 311
- Soil Classification and Liquefaction Potential Evaluation Using CPT Data on Logistic Regression Analyses
..... Sheng-Yao Lai 321
- Integrated Fuzz Clustering Neural Network Structure for Evaluating Liquefaction of Soil
..... Shuh-Gi Chern, Yu-Shih Lee, Yen-Jen Chang, Jr-Ren Lu 335

Technical Short Papers

- Spectral Analysis of Various Adhesive Conditions at the Interface Between Reinforcing Bars and Concrete
..... Yu-Feng Lin, Yiching Lin, Bo-Yau Tsai 349
- Application of Geo-Statistical Method on Groundwater Quality Monitoring Network Density
..... Cheh-Shyh Ting, Wel-Liang Tai 355
- Assessment of Conventional Use of Saturation Flow Rate for Estimating Lane Capacities at Signalized Intersections
..... Pin-Yi Tseng, Feng-Bor Lin 363
- Development of a Web-GIS Based Expert System Shell for Potential Slopeland Harzard Assessment

