

中國土木水利工程學刊

中華民國九十一年三月

第十四卷 第一期

目 錄

論 文

發生土石流之臨界降雨特性分析	周憲德	廖偉民	姚善文	1	
中空矩形橋柱之災後修復	鄭錦銅	林志鴻	葉勇凱	莫詒隆	9
RC 學校建築與沿街店鋪住宅快速耐震診斷	許茂雄	郭心怡	鄧世雄	21	
纜索支撐橋梁之耦合抖振反應	楊永斌	麥樹偉	陳振華	31	
RC 結構物反共振頻率在強震行為下的特性	姚昭智	邱瑜燕	43		
低雷諾數條件下直立平板來流端之穩態馬蹄型渦流特性探討	林 呈	何宗浚	謝世圳	張國棟	53
脈動紊性管流中不穩定摩擦之簡單模型	仲偉浩	華春河	67		
網路型感潮河川之水質模擬	李鴻源	洪佐承	林永峻	林穎典	79
營造綜合保險經驗修正係數之建立	郭斯傑	邱必洙	蔡逸霖	93	
營建工程最適施工團隊組織架構之研究	鄭明淵	蘇振維	游弘煜	103	
利用高壓膠體滲透層析儀分析瀝青膠泥物理性質之研究	林志棟	賴明俊	張家瑞	113	
棋盤式都會區航空照片中矩形建築物直線偵測之研究	饒見有	陳良健	123		

技術短文

蒸氣催化對 TAICON 物化性質影響之研究	吳東昇	彭耀南	133		
橡胎屑化後在混凝土工程上應用之研究	干裕成	李明君	江支弘	蔡英明	141
鋼板側貼補強鋼筋混凝土樑柱節點受反覆載重作用之結構行為	簡顯光	閻嘉義	陳君璽	莊正志	151
斜交 45°交叉段於不同岩體中施工引致之隧道力學行為	陳志南	陳志信	呂世豪	159	

被動消能規範中之阻尼折減係數研究	林裕淵	蔡孟豪	張國鎮	167
三維顆粒堆積體之快速接觸搜尋法	王仲宇	盛若磐	陳泰安	177

Journal of the Chinese Institute of Civil and Hydraulic Engineering

March, 2002

Vol. 14, No. 1

CONTENTS

Papers

Threshold Conditions for Rainfall-Induced Debris Flows	Hsien-Ter Chou, Wei-Min Liao, Shan-Wen Yao	1
Seismic Repair of Rectangular Hollow-Bridge Piers	Chin-Tung Cheng, Chi-Horn Lin, Yeong-Kae Yeh, Yi-Lung Mo	9
Fast Seismic Assessment for RC School and Street-Front Buildings	Maw-Shyong Sheu, Hsin-Yi Kuo, Sai-Hong Deng	21
Coupled Buffeting Response of Cable-Supported Bridges	Yeong-Bin Yang, Su-Vai Mac, Chern-Hwa Chen	31
Strong Motion Characteristics of the Anti-Resonance Frequency in RC Buildings	G.C. Yao, Y.Y. Chiu	43
Study on the Characteristics of Steady Horseshoe Vortex Near a Rectangular Vertical Plate-Flat Plate Juncture at Low Reynolds Number	Chang Lin, Tsung-Chun Ho, Shyh-Jiun Shieh	53
A Simple Model for Predicting The Unsteady Friction in Pulsating Turbulent Pipe Flow	Wei-hao Chung, Chun-Ho Hua	67
Water Quality Simulation of an Estuarine River Network	Hong-Yuan Lee, Tso-Cheng Hung, Yong-Jun Lin, Ying-Tien Lin	79
Experience Modification Rating for Contractors' All Risk Insurance in Taiwan	Sy-Jye Guo, Pi-Chu Chiu, Yi-Lin Tsai	93
Optimal Organizational Structure for Construction Project Management	Min-Yuan Cheng, Cheng-Wei Su, Horng-Yuh You	103
The Study on Physical Properties of Asphalt Cement Using HP-GPC	Jyh-Dong Lin, Ming-Chun Lai, Jia-Ruey Chang	113
A Study on Straight-Line Detection for Rectangular Buildings in Lattice-Oriented Urban Areas of Aerial Photographs	Jiann-Yeou Rau, Liang-Chien Chen	123

Technical Short Papers

The Influence of Accelerated Curing on the Physical/Chemical Properties of Taicon	Dong-Sheng Wu, Yaw-Naw Peng	133
A Study of Crumbed Scrape Tire Being Applied to Concrete Construction	Yu-Cheng Kan, Ming-Gin Lee, Chih-Hung Chiang, Ying-Ming Tsai	141
Cyclic Behavior of Strengthened RC Beam-Column Joints Using Web-Bonded Steel Plates	Hsien-Kuang Chien, Jia-Yi Richard Yen, Chun-Hsi Chen, Chen-Chi Chuang	151
The Mechanical Behavior of 45° Tunnel Intersection Inducing by Construction Through Various Rock Masses	Chee-Nan Chen, Jr-Syin Chen, Evans Lu	159
Damping Reduction Factor for the Design of Buildings with Passive Energy Dissipation Systems	Y.Y. Lin, M. H. Tsai, K.C. Chang	167
A Fast Contact Searching Scheme for 3D Particles	Chung-Yue Wang, Jo-Pan Sheng, Tai-An Chen	177