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ASTM Geotechnical Testing Journal (4 issues)
Volume 30, Issue 2, 2007 (Now filling this issue)

The Elastomer Gage for Local Strain Measurement in Monotonic and Cyclic Soil Testing
Safaqah OA, Riemer MF

Strength of Sands in Wedge Shear, Triaxial Shear, and Shear Box Tests
Mirata T, Erzin Y

Automated Digital Image Processing for Volume Change Measurement in Triaxial Cells
Gachet P, Geiser F, Laloui L, Vulliet L

Comprehensive Wave Propagation Model to Improve TDR Interpretations for Geotechnical Applications
Lin C, Tang S

Shear Testing of Soft Rock Masses
Szymakowski J

Measuring Radial Total Stresses on Model Suction Caissons in Clay
Chen W, Randolph MF
A Drainage Column Test for Determining Unsaturated Properties of Coarse Materials
Chapuis RP, Masse I, Madinier B, Aubertin M

Instrumentation of an Unsaturated Expansive Soil Slope
Zhan TL, Ng CW, Fredlund DG

Simulation of Pressuremeter Shearing Mode by True Triaxial Apparatus
Seah TH, Shrestha D

Falling-Head Permeability Tests in an Unconfined Sand Aquifer
Chapuis RP, Dallaire V, Gagnon F, Marcotte D, Chouteau M

Volume 30, Issue 3, 2007 (Now filling this issue)

Representative Elementary Volume Analysis of Sands Using X-Ray Computed Tomography
Razavi MR, Muhunthan B, Hattamleh OA

Comparative Evaluation of Geotextile Pore Sizes Using Bubble Point Test and Image Analysis
Aydilek AH, D’Hondt D, Holtz RD

Rate-Controlled Lateral-load Pile Tests Using a Robotic Manipulator in Centrifuge
Kong LG, Zhang LM

Use of a Differential Pressure Transducer for the Monitoring of Soil Volume Change in Cyclic Triaxial Test on Unsaturated Soils

The Suitability of the Osmotic Technique for the Long-term Testing of Partly Saturated Soils
Monroy R, Ridley A, Dineen K, Zdravkovic L

Removable Borehole Extensometers for Measuring Axial Displacements During Well Tests
Schweisinger T, Murdoch L, Huey C Jr.

Interface Direct Shear Testing of Unsaturated Soil
Miller GA, Hamid TB

Void Ratio-Suction Behavior of Remolded Ariake Clays
Hong Z
Mbonimpa M, Aubertin M

Parent S&, Cabral A, Dell’Avanzi E, Zornberg JG

Volume 30, Issue 4, 2007 (Now filling this issue)

Experimental Study on Fracture Behavior of a Silty Clay
Wang J, Zhu J, Chiu CF, Chai H

A Large Diameter Triaxial Apparatus to Measure Pore Pressure and Displacements on a Pre-existing Shear Zone/Plane
Su X, Tannant DD, Martin CD, Morgenstern NR, Cyre G

An In-situ Device for Rapid Determination of Permeability for Granular Bases
White DJ, Vennapusa PK, Suleiman MT, Jahren CT

A Short-circuit Electromagnetic Sensor for Measurement of Soil Complex Permittivity
Xu Y, Shang JQ, Yanful EK

Triaxial Compression of Clay Reinforced with Sand-Coir Fiber Core
Vinod P, Bhaskar A, Lekshmi CS

Sample Preparation of Silts for Liquefaction Testing
Bradshaw AS, Baxter CD

Acoustic Compressional Wave Velocity as a Predictor of Glacio-marine Sediment Grain Size
Moran K, Altmann V, O’Regan M, Ashmankas C

Design of a Miniature Piezoprobe for High Resolution Stratigraphic Profiling
DeJong JT, Yafrate NJ, DeGroot DJ

An Alternative Test Method for Assessing Consistency Limits
Lee LT Jr., Freeman RB
Identification of Collapsible Soil Using the Fall Cone Apparatus
Ayadat T, Hanna A

Volume 30, Issue 5, 2007 (Now filling this issue)

Comparison of Chilled-mirror Measurements and Filter Paper Estimates of Total Soil Suction
Patrick PK, Olsen HW, Higgins JD

Canadian Geotechnical Journal
Not Published This Month

Computers and Geotechnics
Not Published This Month

Engineering Geology
Volume 90, Issues 3 – 4, 2007

Relationships among mechanical, physical and petrographic properties of Siwalik sandstones, Central Nepal Sub-Himalayas
Naresh Kazi Tamrakar, Shuichiro Yokota and Suresh Das Shrestha

Influence of volume/mass on grain-size curves and conversion of image-analysis size to sieve size
Joanne M.R. Fernlund, Robert W. Zimmerman and Danica Kragic

Estimation of rock engineering properties using hardness tests
Faisal I. Shalabi, Edward J. Cording and Omar H. Al-Hattamleh

Advanced DInSAR analysis on mining areas: La Union case study (Murcia, SE Spain)

Characteristics of aquifer system deformation in the Southern Yangtse Delta, China
Yun Zhang, Yu-Qun Xue, Ji-Chun Wu, Shu-Jun Ye, Zi-Xin Wei, Qin-Fen Li and Jun Yu
A correlation for permanent earthquake-induced deformation of earth embankments
Raghvendra Singh, Debasis Roy and Debatosh Das

Error inflation in Probabilistic Seismic Hazard Analysis
Jens-Uwe Klügel

Geomechanics and Geoengineering (2 issues)
Volume 1, Issue 4, 2006

The Second James K. Mitchell Lecture Undisturbed sand strength from seismic cone tests
P. W. Mayne

Study on soil-cement grout interface shear strength of soil nailing by direct shear box testing method
L. M. Chu; J. H. Yin

Seismic response of flexible cantilever retaining walls with dry backfill
S. P. G. Madabhushi; X. Zeng

Buckling behaviour of single pile and pile bent in the Scotch Road Bridge
Y. Khodair; S. Hassiotis

A note on the Lade-Duncan failure criterion
X. Q. Yang; W. H. Fung; S. K. Au; Y. M. Cheng

Volume 2, Issue 1, 2007

A higher gradient formulation and meshfree-based computations for elastic rock
C. Sansour; S. Skatulla

The response of flexible pipes buried in sand to static surface stress
D. N. Chapman; P. R. Fleming; C. D. F. Rogers; R. Talby

Drained behaviour of Changi sand in triaxial and plane-strain compression
D. Wanatowski; J. Chu

Studies on the determination of shear wave velocity in sands
P. P. Bartake; D. N. Singh

Analytical solutions for a vertically loaded pile in multilayered soil
H. Seo; M. Prezzi
A critical state framework for modelling bonded geomaterials
H. S. Yu; S. M. Tan; F. Schnaid

Geosynthetics International
Not Published This Month

Geotechnical and Geological Engineering
Not Published This Month

Geotechnique (2 issues)
Volume 57, Issue 2, March 2007
www.thomastelford.com/journals

Stiff Sedimentary Clays—Genesis and Engineering Behaviour
May

Peak strength of overconsolidated clays
Atkinson

A constitutive model for soft clayey rocks that includes weathering effects
Pinyol, Vaunat, Alonso

An experimental investigation into the mechanical behaviour of a structured stiff clay
Amorosi, Rampello

Structure and mechanical response of sub-Apennine Blue Clays in relation to their geological and recent loading history
Cotecchia, Cafaro, Aresta

Undrained behaviour of brecciated Upper Lias Clay at Empingham Dam
Kovacevic, Higgins, Potts, Vaughan

Pore water pressure and horizontal stress changes measured during construction of a contiguous bored pile multi-propped retaining wall in Lower Cretaceous clays
Richards, Powrie, Roscoe, Clark

In situ behaviour of a stiff layered clay subject to thermal loading: observations and
interpretation
Gens, Vaunat, Garitte, Wileveau

Twenty-five years’ geotechnical observation and testing in the Tertiary Boom Clay formation
Bernier, Li, Bastiaens

Suction effects in deep Boom Clay block samples
Delage, Le, Tang, Cui, Li

Void ratio function for elastic shear moduli for Boom Clay
Piriyakul, Haegeman

Manufacture of samples of overconsolidated clay by laboratory sedimentation
Stallebrass, Atkinson, Mašín

Volume 57, Issue 3, April 2007

Some geomechanical properties of soil–rock mixtures in the Hutiao Gorge area, China
Xu, Hu, Tan

Interpretation of the seismic cone test in granular soils
Schnaid, Yu

Undrained monotonic response of clean and silty sands
Murthy, Loukidis, Carraro, Prezzi, Salgado

Theoretical investigation of the time-dependent behaviour of rockfill
Oldecop, Alonso

Some implications of models for swelling and recompression of soil
Smith, Atkinson

Cylindrical cavity expansion and contraction in Tresca soil
Shuttle

Yield strength and critical strength of liquefiable sands in sloping ground
Mesri

Experimental study of the influence of mineral composition on sand crushing
Leleu, Valdes

Lower-bound approach for seismic passive earth resistance
Lancellotta
Some observations of the effects of time on the capacity of piles driven in sand
Jardine, Standing, Chow

Obituary

Géotechnique Reviewers

Geotextiles and Geomembranes
Volume 25, Issue 2, April 2007

Foreword to special issue on geosynthetics in harsh environments
Richard J. Bathurst

Performance of a geocomposite liner for containing Jet A-1 spill in an extreme environment
R.K. Rowe, T. Mukunoki, R.J. Bathurst, S. Rimal, P. Hurst and S. Hansen

Tension in geomembranes on landfill slopes under static and earthquake loading—Centrifuge study
N.I. Thusyanthan, S.P.G. Madabhushi and S. Singh

Geosynthetic design and construction approaches in the mining industry
J.F. Lupo and K.F. Morrison

Geosynthetic reinforcement for the reduction of the effects of explosions of internally pressurised buried pipes
N. Tupa and E.M. Palmeira

Abrasion damage of geogrids induced by turbid flow
Ching-Chuan Huang and Chun-Chang Liao

Ground Improvement
Volume 11, Issue 2, April 2007

Micropiles reinforcement for expansive soils: large-scale experimental investigation
Nusier, Alawneh, Rabadi

Influence of tamper weight shape on dynamic compaction
Arslan, Baykal, Ertas
Preloading and prefabricated vertical drains design for foreshore land reclamation projects: a case study
Bo, Arulrajah, Nikraz

Treatment of mine tailings using ALFA® technology
Mohamed, Hossein, Hassani

Ion migration associated with lime piles: a review
Barker, Rogers, Boardman

Expansive Soils: Recent Advances in Characterization and Treatment
Shahrour

International Journal of Geomechanics
Volume 7, Number 2, March / April 2007

SPECIAL ISSUE: Constitutive Modeling and Computational Analysis of Asphalt Pavements
SPECIAL ISSUE EDITORS: Eyad Masad and A. „Tom Scarpas

Editorial

Toward a Mechanistic Approach for Analysis and Design of Asphalt Pavements
Eyad Masad and A. (Tom) Scarpas

Technical Papers

Unified DSC Constitutive Model for Pavement Materials with Numerical Implementation
Chandrakant S. Desai

Computational Constitutive Model for Predicting Nonlinear Viscoelastic Damage and Fracture Failure of Asphalt Concrete Mixtures
Yong-Rak Kim, D. H. Allen, and D. N. Little

Viscoelastoplastic Damage Characterization of Asphalt–Aggregate Mixtures Using Digital Image Correlation
Ghassan R. Chehab, Youngguk Seo, and Y. Richard Kim

Development of an Elastoviscoplastic Microstructural-Based Continuum Model to Predict Permanent Deformation in Hot Mix Asphalt
Eyad Masad, Samer Dessouky, and Dallas Little
Micromechanical Modeling of the Viscoelastic Behavior of Asphalt Mixtures Using the Discrete-Element Method
Ala Abbas, Eyad Masad, Tom Papagiannakis, and Tom Harman

Analytical Modeling of Three-Layered HMA Mixtures
Baoshan Huang, Xiang Shu, Guoqiang Li, and Leishan Chen

Three-Dimensional Linear Behavior of Bituminous Materials: Experiments and Modeling
Hervé Di Benedetto, Brice Delaporte, and Cédric Sauzéat

Advanced Testing and Characterization of Asphalt Concrete Materials in Tension
Jacob Uzan and Eyal Levenberg

International Journal of Numerical and Analytical Methods in Geomechanics
Volume 31, Issue 5, April 2007

Applying discontinuous deformation analysis to assess the constrained area of the unstable Chiu-fen-erh-shan landslide slope
Jian-Hong Wu

Analytical solution of the harmonic waves diffraction by a cylindrical lined cavity in poroelastic saturated medium
Y. S. Karinski, V. V. Shershnev, D. Z. Yankelevsky

Analysis of liquefaction susceptibility of nearly saturated sands
Ahmad Jafari-Mehrabadi, Majid Abedinzadegan Abdi, Radu Popescu

Drained and undrained pullout capacity of a stiff inclusion in a saturated poroelastic matrix
Antonio Bobet, Hong-Sung Lee, Maria C. Santagata

A comparative study of the hypoplasticity and the fabric-dependent dilatant double shearing models for granular materials
Huaning Zhu, Morteza M. Mehrabadi, Mehrdad Massoudi
Journal of Geotechnical and Geoenvironmental Engineering
Volume 133, Issue 4, April 2007

Technical Papers

Postconstruction Changes in the Hydraulic Properties of Water Balance Cover Soils
C. H. Benson, A. Sawangsuriya, B. Trzebiatowski, and W. H. Albright

Leachate Recirculation Using Permeable Blankets in Engineered Landfills
Mazen M. Haydar and Milind V. Khire

Induced-Partial Saturation for Liquefaction Mitigation: Experimental Investigation

Simplified Procedure for Estimating Earthquake-Induced Deviatoric Slope Displacements
Jonathan D. Bray and Thaleia Travasarou

Quasi-Monte Carlo Simulation with Low-Discrepancy Sequence for Reinforced Soil Slopes
M. Shinoda

Behavior of Stone Columns Based on Experimental and FEM Analysis
A. P. Ambily and Shailesh R. Gandhi

Postcyclic Recompression, Stiffness, and Consolidated Cyclic Strength of Silt
Adrian F. L. Hyde, Toru Higuchi, and Kazuya Yasuhara

Nondestructive Sample Quality Assessment of a Soft Clay Using Shear Wave Velocity
Melissa M. Landon, Don J. DeGroot, and Thomas C. Sheahan

Effect of Microfabric on Mechanical Behavior of Kaolin Clay Using Cubical True Triaxial Testing
Amit Prashant and Dayakar Penumadu

Describing Settlement Troughs over Twin Tunnels Using a Superposition Technique
Suchatvee Suwansawat and Herbert H. Einstein

Experimental and Numerical Study of Uplift Behavior of Shallow Circular Anchor in Two-Layered Sand
T. Sakai and T. Tanaka
Technical Notes

Shear Strength Parameters of Municipal Solid Waste with Leachate Recirculation
M. A. Gabr, M. S. Hossain, and M. A. Barlaz

Discussions and Closures

Discussion of “Biological Considerations in Geotechnical Engineering” by James K. Mitchell and J. Carlos Santamarina
A. Fýrat Çabalar

Closure
James K. Mitchell and J. Carlos Santamarina

Discussion of “Energy Efficiency for Standard Penetration Tests” by Edgar Odebrecht, Fernando Schnaid, Marcelo Maia Rocha, and George de Paula Bernardes
Lawrence F. Johnsen and Jon J. Jagello

Discussion
John H. Schmertmann

Closure
Edgar Odebrecht, Fernando Schnaid, Marcelo Maia Rocha, and George de Paula Bernardes

Book Reviews

Review of Fundamentals of Micromechanics of Solids by J. Qu and M. Cherkaoui
George Z. Voyiadjis

Soils and Foundations
Not Published This Month