ERRATUM

Table 1 on page 367 of the September 1995 issue of GTJ contained errors in the fourth column. This table is in the paper entitled "Strain Rate Effects on Shear Modulus and Damping of Normally Consolidated Clay" by Satoru Shibuya, Toshiyuka

Mitachi, Fumihiko Fukuda, and Takahiro Degoshi. The original column is shown below on the left, and the corrected column is shown below on the right.

		[original]	[corrected]
Tests		e ₀	e ₀
KYI		0.810	0.687
KY2	••••	0.801	0.731
KY3		0.796	0.709
KY4		0.853	0.683
KY5		0.834	0.709
KY6		0.828	0.705
K1	****	1.326	1.099
K 2	****	1.323	1.119
К3		1.326	1.099
K4	****	1.320	1.117
K5	••••	1.336	1.140

QUESTIONNAIRE ON SUBJECT AREAS OF AUTHORS **AND REVIEWERS**

Name:		Title:	
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the subject a	reas most applicable to their respective manuschave the greatest current competence to prov	GTJ, (a) authors of manuscripts submitted for publication are asked to cripts, and (b) prospective reviewers are asked to circle the subject area ide informed technical evaluations of manuscripts submitted to GTJ Howard Pi	as in for
		Technical Ed	
I. FIELD E	XPLORATION	2.15 Load-Deformation	
		2.16 Seismic Methods, Acoustic Emission	
1.1	Reconnaissance	2.17 Other	
1.2	Mapping and GIS		
1.3	Remote Sensing	3. TESTING AND MONITORING SOIL AND ROCK	
1.4	Geophysical Methods	STRUCTURES	
1.5	Geochemical Methods		
1.6	Geobotanical Methods	3.1 Embankments	
1.7	Borehole Logging	3.2 Rock for Erosion Control	
1.8	Drilling Operations	3.3 Dams	
1.9	Sampling Soil	3.4 Tunnels and Shafts	
1.10	Sampling Rock	3.5 Marine Structures	
	Sample Transport and Storage	3.6 Waste Impoundments	
	Ground Water Monitoring	3.7 Pavement Systems	
	Surface Water Monitoring	3.8 Drainage Aids	
1.14	Other	3.9 Natural Slopes	
		3.10 Fills	
		3.11 Retaining Structures	
2. FIELD (I	N SITU) TESTING	3.12 Liners	
		3.13 Geotextile Structures	
2.1	Calcareous Soils	3.14 Mechanically Modified Soil and Rock	
2.2	Marine and Lacustrine Sediments	3.15 Chemically Modified Soil and Rock	
2.3	Admixtures	3.16 Biologically Modified Soil and Rock	
2.4	Hydrocarbon-Bearing Soils	3.17 Admixtures	
2.5	Hazardous Materials	3.18 Erosion Tests	
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2.7	Jointed Rock	3.20 Piles and Foundations	
2.8	Tailings, Backfill, Talus	3.21 Other	
2.9	Penetration Testing		
2.10	Moisture, Density	4. LABORATORY TESTING—SOIL	
2.11	In Situ Stresses		
	Transmissivity, Storativity	4.1 Classification, Identification, Nomenclature	
2.13	Physicochemical Testing	4.2 Sampling and Specimen Preparation,	
2.14	Stress-Strain, Strength	Transportation, and Storage	

4.3	Grain Size, Specific Gravity, Density		TORY TESTING—ROAD AND PAVING
4.4	Physicochemical Properties	MATERL	ALS
4.5	Permeability, Void Ratio, Water Content		
4.6	Consolidation, Swelling, Collapse	7.1	Classification, Identification, Nomenclature
4.7	Shrinkage, Creep	7.2	Specimen Preparation
4.8	Compaction Tests	7.3	Mechanical Properties, Rheology
4.9	Stress-Strain, Strength	7.4	Chemical Properties
4.10	Liquefaction Tests	7.5	Durability Properties
4.11	Cyclic and Dynamic Tests	7.6	Specific Gravity and Density
	Thermal Property Tests	7.7	Analyses of Mixtures
	Microscopic Analysis	7.8	Other
4.14	Other		
non .		8. LABORA	TORY-MODEL TESTING
	TORY TESTING—ROCK AND		
DIMENS	ION STONE	8.1	Soil-Rock-Structure Interaction
		8.2	Soil and Rock Reinforcement
5.1	Classification, Identification, Nomenclature	8.3	Grouts and Admixtures
5.2	Specimen Preparation	8.4	Geotextiles
5.3	Texture, Fabric, Specific Gravity, Density	8.5	Fluid Flow through Soil and Rock
5.4	Permeability, Void Ratio, Pore-Size Distribution,	8.6	Simulated Soil and Rock
	Water Content	8.7	Centrifuge Tests
5.5	Stress-Strain, Strength	8.8	Other
5.6	Creep	0.0	
5.7	Fracture-toughness		
5.8	Shear Strength, Sliding Friction	9. MISCELI	LANEOUS
5.9	Seismic and Acoustic Tests). NIIO CELL	
	Cyclic and Dynamic Tests	9.1	Quality Control, Quality Assurance
	Electrical and Magnetic Properties	9.1	Equipment Calibration and Traceability
	Thermal Properties	9.2	Proficiency Testing
	Microscopic Analysis	9.3 9.4	Ruggedness in Testing
5.14	Other	9.5	Interlaboratory Testing; Repeatability and Reproducibility
<		9.6	Error Propagation
6. LABORA	TORY TESTING—GEOSYNTHETICS	9.7	Automated Control of Testing
		9.8	Data Acquisition, Reduction and Management
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6.3	Mechanical Properties	9.11	Laboratory Accreditation
6.4	Chemical Properties	9.12	Education and Training
6.5	Endurance Properties	9.13	Terminology, Definitions, and Notation
6.6	Permeability and Filtration		Other
6.7	Other	9.15	Other
SUMMARY	OF NUMBERS CHECKED:		
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ASTM Task Group on Data Automation Questionnaire for Geotechnical Laboratories

~ `	Name	Position					1				
	rganization: University	Government Should be a second of the second	Consulting	ing	Industry		† 1				
≥ ≥ ≥	With regard to the general laboratory: Number of staff devoted to lab_Which do you have on staff?MachinistMechanical engineer Which of the following do you have?Temperature ControlDus	요 절	b Flectron Electron ust Contro	lab Floor area in sq. ft er Electronic specialist Instrum Dust Control Emergency Power	Floor area in sq. ft. Electronic specialist Instrumentation Specialist Software engineer st Control Emergency Power	n Specialist	Software eng	ineer			
~ .	Please complete the following table for soil tests performed in your facility:	erformed in your	facility:				,				
II	Soil Tests	Gradation (D422)	Limits (D4318)	Consolidation (D2435)	n UC	UU (Q)	CU (R)	CD (S)	Direct Shear	Permeability	Other
	Number of tests per year										
4.5	Check if you automatically record data								· · ·		
42.	Check if you use computer for data reduction										
42	Check if you use computer for graphs or tables			ļ							
. ==	Estimated cost savings per test from automation										
ll Q	describe other test										!
	Please complete the following table for rock tests performed in	performed in your	your facility:				;		1		
	Rock Tests	Strength (D2664, D2936, D2938, D3967)		Elastic Modulus (D2845, D3148, D5407)	Permeability (D4525)	Creep (D4341, D4405, D4406)	Sonic (D2845)		Thermal (D4515, D4512, D5334, D5335)	Other (D4644, D5240, D5312, D5313)	r 312, D5313)
	Number of tests per year								1		
	Check if you automatically record data					ŧ					Ì
	Check if you use computer for data reduction										
	Check if you use computer for graphs or tables								1		
.=	Estimated cost savings per test from automation	-									
i							-	1			

* describe other test

ASTM Task Group on Data Automation Questionnaire for Geotechnical Laboratories

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9
Maximum Number of Readings per second you use Total Cost of hardware, excluding sensors Total cost of sensors How are data stored? printed tape floppy disk hard disk other
e the sys
Does the system control the test Describe how
How much time required to train a new user Frequency of breakdown Describe reliability
Did supplier offer service contract Did you take it Cost of service contract as percent of original system purchase price
Describe experience with service
Is system rugged Give examples
Has system been cost effective? Give example
Are you considering additional equipment If yes please answer #7.
How do you charge your clients for use of the system
Would you buy the same system again Why
If your data acquisition system uses software to collect and reduce data, please answer the following:
control lest place data in master data base perform statistical and/or engineering evaluations of data
Programming language used Operating system used
er
Can you modify software Is software flexible enough for your needs
Describe software problems you have had
Would you buy same system again Why
Is your software available to others
If you have no data acquisition equipment or are considering expansion of your present system
Do you plan further automation in the near future? Why Which tests do you plan to automate?
Which parts will you automate? collect data reduce data after test plot results for report provide real-time graph as test runs control test other
Will youpurchase softwaredevelop software in-house What information is most helpful in selecting a new system (olease rank by importance with 1 as highest)manufacturer's literaturespecsexample resultsreliability of system
experience of another with system other (specify)

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Thank you for your time and help. Please mail the completed questionnaire to: D18.95 Data Automation Survey, c/o Bob Morgan,

What standards would be helpful to you in regard to using your data acquisition equipment?

6.

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۲.

Does your company use data acquisition equipment in field applications? ___ Describe_

10. Please comment on your experiences with data acquisition systems, positive and negative.

ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. Phone any questions to Dr. Marr at (508) 635-0012.

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To convert from	to	multiply by
atmosphere (760 mm Hg)	pascal (Pa)	1.013 25 x 10 ⁵
board foot	cubic metre (m³)	2.359 737 x 10 ⁻³
Btu (International Table)	joule (J)	$1.055 \ 056 \times 10^{3}$
Btu (International Table)/h	watt (W)	2.930 711 x 10 ⁻¹
Btu (International Table)•in./s•ft²• °F (k, thermal conductivity)	watt per metre kelvin [W/(m•K)]	5.192 204 x 10 ²
calorie (International Table)	joule (J)	4.186 800*
centipose	pascal second (Pa•s)	1.000 000* x 10 ⁻³
centistokes	square metre per second (m ² /s)	1.000 000* 10-6
circular mil	square metre (m ²)	5.067 075 x 10 ⁻¹⁰
degree Farenheit	degree Celsius	$t^{\circ}C = (t^{\circ}F - 32)/1.8$
foot	metre (m)	3.048 000* x 10 ⁻¹
ft²	square metre (m ²)	9.290 304* 10-2
ft³	cubic metre (m³)	2.831 685 x 10 ⁻²
ft•lbf	joule (J)	1.355 818
ft-lbf/min	watt (W)	2.259 697 x 10 ⁻²
ft/s²	metre per second squared (m/s²)	3.048 000* x 10 ⁻¹
gallon (U.S. liquid)	cubic metre (m³)	3.785 412 x 10 ⁻³
horsepower (electric)	watt (W)	7.460 000* x 10 ⁺²
inch	metre (m)	2.540 000* x 10 ⁻²
in.²	square metre (m ²)	6.451 600* x 10 ⁻⁴
in. ³	cubic metre (m³)	1.683 706 x 10 ⁻⁵
inch of mercury (60°F)	pascal (Pa)	$3.376~85 \times 10^3$
inch of water (60°F)	pascal (Pa)	$2.488 4 \times 10^{2}$
kgf/cm ²	pascal (Pa)	9.806 650* x 10⁴
kip (1000 lbf)	newton (N)	$4.448 222 \times 10^3$
kip/in.² (ksi)	pascal (Pa)	6.894 757 x 10°
ounce (U.S. fluid)	cubic metre (m³)	2.957 353 x 10 ⁻⁵
ounce-force	newton (N)	2.780 139 x 10 ⁻¹
ounce (avoirdupois)	kilogram (kg)	$2.834 952 \times 10^{-2}$
oz (avoirdupois)/ft²	kilogram per square metre (kg/m²)	3.051 517 x 10 ⁻¹
oz (avoirdupois)/yd²	kilogram per square metre (kg/m²)	3.390 575 x 10 ⁻²
oz (avoirdupois)/gal (U.S. liquid)	kilogram per cubic metre (kg/m³)	7.489 152
pint (U.S. liquid)	cubic metre (m³)	4.731 765 x 10 ⁻⁴
pound-fource (lbf)	newton (N)	4.448 222
pound (lb avoirdupois)	kilogram (kg)	4.535 924 x 10 ⁻¹
lbf/in² (psi)	pascal (Pa)	$6.894 757 \times 10^3$
lb/in³	kilogram per cubic metre (kg/m³)	2.767 990 x 10 ⁴
lb/ft³	kilogram per cubic metre (kg/m³)	1.601 846 x 10
quart (U.S. liquid)	cubic metre (m³)	9.463 529 x 10 ⁻⁴
ton (short, 2000lb)	kilogram (kg)	$9.071 847 \times 10^{2}$
torr (mm Hg, 0°C)	pascal (Pa)	1.333 22 x 10 ²
W•h	joule (J)	3.600 000* x 10 ³
yard	metre (m)	9.144 000* x 10 ⁻¹
yd²	square metre (m ²)	8.361 274 x 10 ⁻¹
yd³	cubic metre (m³)	7.645 549 x 10 ⁻¹

^{*}Exact



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