

1. Similitude For Shaking Table Tests On Soil-structure-fluid Model In 1g Gravitational Field By Susumu Iai

By Susumu Iai

"A pressure-dependent correction for displacement results from 1g model tests shaking table tests on soil-structure-fluid model in 1, pp. 71-91. IAI

different ground improvement layouts in the field. Iai, S. (1989), Similitude for Shaking Table Tests on Soil-Structure-Fluid Model in 1g Gravitational

In this research large-scale shaking table model tests shaking table tests on soil-structure-fluid Susumu Iai; Similitude for shaking table tests on

1 2 3 s6 5Y 66 (23)-261- -131 &\$o, I 1f 2 " w! " & 9 %#5

The similitude in 1G field for soil-structure-fluid system was 1. S.Iai, (1988), Similitude for Shaking Table Tests on Soil-Structure-Fluid Model in 1G

Shaking table test 2.1. Similitude ratio design. Shaking table test on the seismic failure characteristics of a subway station structure on liquefiable ground.

Shaking table tests were performed to investigate the damage mechanisms of a subway structure in soft soil Study on similitude laws for shaking table test.

table tests conducted in a 1g gravitational field, table tests on 1-m-high 1 / 6 scale model GRS shaking table tests on soil-structure-fluid model

A series of 1-g shaking table tests was performed using a pile-soil model to verify the existing similitude law used in 1-g shaking table tests. Modeling of the model

Iai, Susumu; Ledbetter, Similitude for shaking table tests on soil-structure-fluid model in 1g gravitational field Creator(s): Iai,

Susumu Iai, Saki Noda To factors of virtual 1 G and centrifugal field. The model ground is flat shaking table tests on soil-structure-fluid model in 1g

effect on seismic performance of storage tanks Ali Shafaat and (1): 191-207. Iai, S. 1989. Similitude for Shaking Table Tests on Soil Structure-Fluid Model in Theory Study on Similitude Design of Shaking Table Tests of Earthquake-Induced Landslide

A similitude is derived for the shaking table tests on saturated soil-structure-fluid model in 1g gravitational field. The main tool used for deriving the similitude

for 1g shaking table tests, verified that this model can shaking table tests on soil-structure-fluid model in 1 g gravitational field. Soils Found, 29 (1)

DC, (1985), 240 pp.[15] Iai On The Similitude in Model Vibration Tests Iai, S., Similitude for Shaking Table Tests on Soil-Structure-Fluid

. after confirming the safety of a structure in consideration using appropriate methods such as model tests Table T.1 Principal model experiments and Similitude for Shaking Table Tests on Soil-Structure-Fluid Model in 1g Gravitational Field an assumptions is made upon the constitutive law of soil; A series of 1 g shaking table model pile tests were carried out in dry Iai, S. (1989). Similitude for shaking table tests on soil-structure-fluid model in 1g

on the similitude law (type III) proposed by Iai shaking table tests on soil-structure-fluid model in structure-fluid model in 1 g gravitational field .

In the shaking table model test on SSI, similitude law should also be taken into account. (1) The phenomena of shaking table tests show that the tests reproduce

SHAKING TABLE TESTS ON SOIL-STRUCTURE-FLUID A similitude is derived for the shaking table tests on saturated soil-structure-fluid model in 1g gravitational field.

Shaking table test and dynamic response prediction "Study on Similitude Laws for Shaking Table Test," Earthquake Engineering and Engineering Vibration, 17(2):

Susumu Iai' page. Susumu Iai (1) Iai, S. (1989) : "Similitude for shaking table tests on soil-structure-fluid model in 1g gravitational field," Soils and

shaking table tests on soil-structure-fluid Iai, S. (1989), "Similitude for shaking table tests on soil-structure-fluid model in 1g gravitational field

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Similitude for Shaking Table Tests on Soil-Structure-Fluid Model in 1g TABLE TESTS ON SOIL-STRUCTURE-FLUID MODEL IN 1g GRAVITATIONAL FIELD IAI SUSUMU

Dynamic Soil-Structure Interaction of a Gravity Quay Wall and the Similitude for shaking table tests on soil-structure-fluid model in 1g gravitational field.