



Chi- Tam Do
(杜志談)



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I am a MIDAS Engineering with a strong focus on
Geo-technical analysis simulation & geotechnical centrifuge modeling

MIDAS Taiwan Company

Taipei - Taiwan

2024 - Now

- Numerical simulation of excavation
- Slope stability analysis by numerical modeling

Doctoral Student of Civil Engineering

Taoyuan- Taiwan

2024 - Now

- Centrifuge modeling on geotechnical issues
- Processing and analysis of sensor signals
- 2024 Internship of advancement of urban earthquake hazard mitigation

Master Student of Civil Engineering

Taoyuan - Taiwan

2023 - 2024

- Centrifuge modeling of tunnel uplift under earthquake motion
- 2023 Taiwan-Japan Symposium

Information for 'Urban Geoengineering' Symposium

Name: Chi-Tam Do (杜志談)

Title : Soil parameter calculation and GTS NX analysis verification

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Abstract

Soil parameter calculation and numerical verification are essential for achieving reliable geotechnical modeling and safe design. This presentation highlights the importance of accurately determining soil parameters and applying them in MIDAS GTS NX. The software enables precise simulation of soil-structure interaction, predicting settlement, stress distribution , and deformation with high accuracy. By verifying the parameter determination, the results confirm that MIDAS GTS NX not only enhances efficiency and confidence in geotechnical analysis but also provides engineers and researchers with a powerful tool to transform complex soil behavior into actionable design solutions.
