Project ProjectProject
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Subject Outline Rigid Inclusion Settlement Assessment
Client ClientClient

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1 Introduction

This rigid inclusion settlement analysis is undertaken using an AI deep learning algorithm implemented by A2-Tech, trained using a vast dataset of case studies based on the A-squared group's previous project experience over the past decade. The ground model is idealized with two strata, namely a soft/loose ground layer underlain by a more competent soil/rock stratum.

2 Input

The key input parameters are shown in Figure 1.

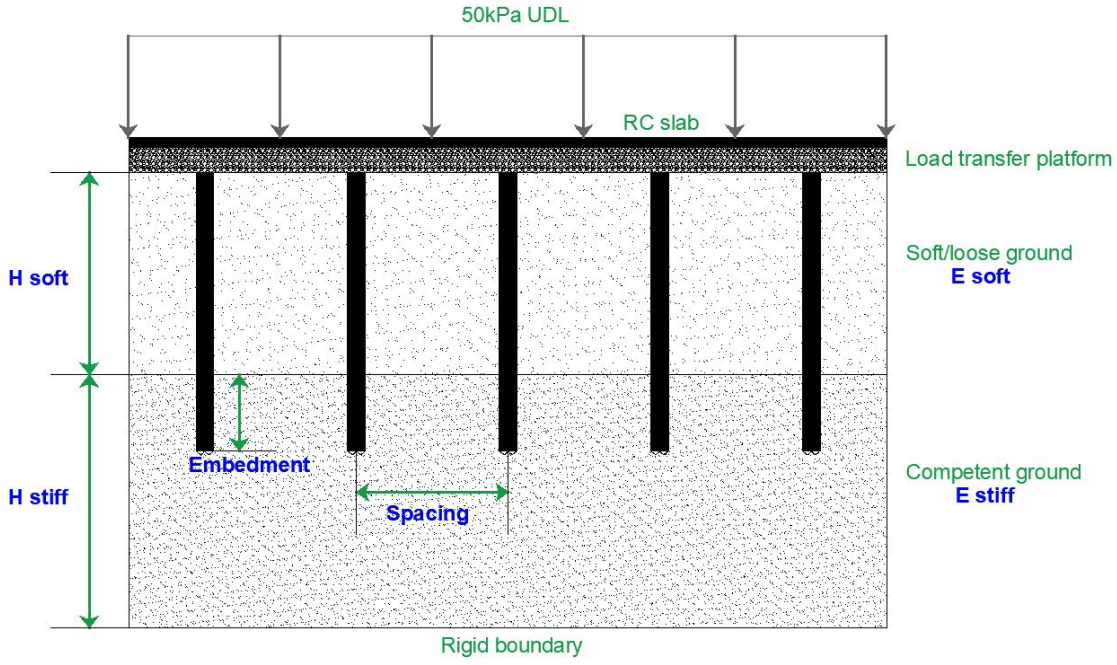

Figure 1: Rigid inclusion scheme indicative sketch - assessment input parameters shown in blue

The selected input values are as follows:

- Spacing: **4 m**
- E soft: **4 MPa**
- H soft: **4 m**
- Embedment: **4 m**
- H stiff (m): **12 m**
- E stiff (MPa): **99 MPa**

3 Output

The predicted rigid inclusion settlement is **41.1 mm**.

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