

Questions

Q1: Is there any way to determine natural frequency of Retaining wall soil numerical model from PLAXIS?

Q2: How can we see the exact element mesh size in PLAXIS?

Q3: I am using Mohr-Coulomb soil model and want to introduce constant Rayleigh damping of 3%.

Natural frequency of soil is 16.53 Hz, frequency of input motion is 5.0 Hz

I used $\xi = 3\%$ for both Target 1 and Target 2

$f = 16.53$ Hz for Target 1 and $f = 5/16.53 = 1.0$ (closest odd multiple integer) Hz Target 2

ω , α , β are calculated automatically but when I close Material window and edit material, all Rayleigh damping parameters ξ , f , ω , α , β are reset to different values. How can I solve this issue?

Q4: How can we plot total vertical wall force on the wall vs time graph in PLAXIS? (Rigid retaining wall)

