





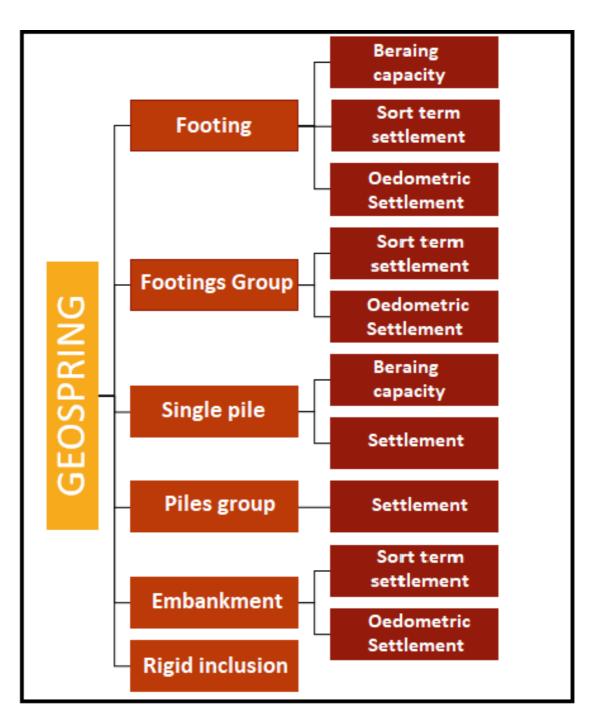
GeoSpring 1.0 is a shallow and deep foundation software that allows engineers and academics to design infrastructure for structures such as buildings, bridges and road. The development of this software has been started by Wafy BOUASSIDA (Phd, M.Sc, P.Eng) since 2015. Such a tool contains the following features :

- Bearing capacities of surface foundations using parameters at rupture (Cohesions and angles of friction) and the pressuremeter method
- Short-term settlement of surface foundations using the elastic method
- Settlement of shallow foundations using shear wave velocities
- Settlement of shallow foundations using the oedometric method

- Bearing capacities of single piles (Bored-Driven-CFA or RIT) using the pressuremeter method and the C-Φ method
- Individual pile settlements and pile group settlements (Bored -Beatings-CFA or RIT) using the cubic transfer curve method (Bohn and others (2016))

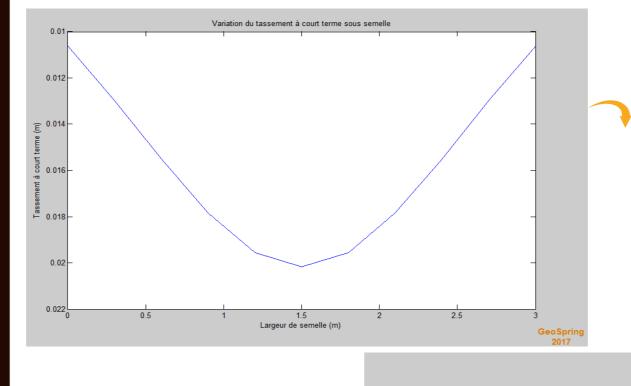


Different ©modules



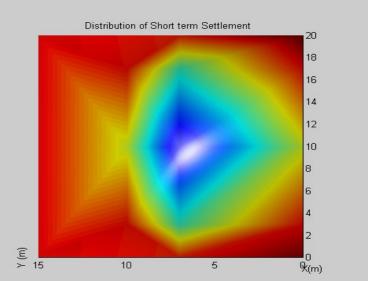
G E O S P R I N G

Some outputs



Short-term settlement curve of an isolated footing

Short-term settlement contours of a footings group



-0.015

-0.02

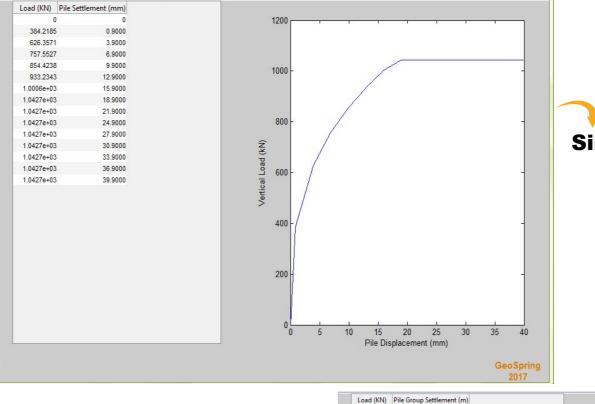
-0.025

-0.03

-0.035



Some outputs



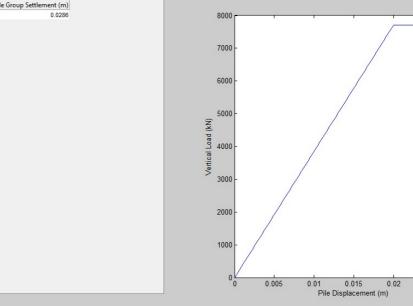
8000

Single pile settlement

0.025

0.03

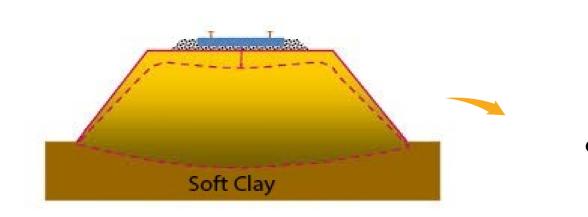
GeoSpring



Pile group settlement

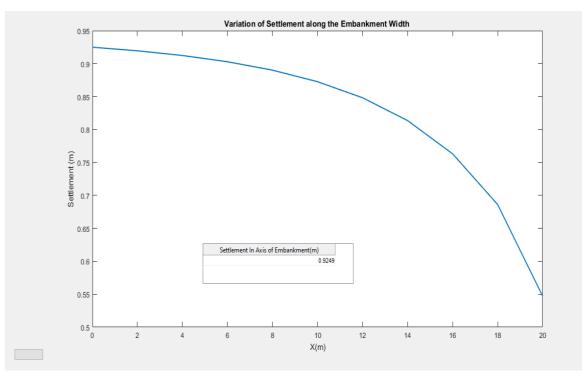


Some outputs



Settlement of embankments

GeoSpring 2020



Variation of odometric settlement along the embankment width



Some outputs

