

Advanced Foundation Engineering Homeworks

1. ① Summary report on Bowles' 1-1~1-6
② Set-up example problem and follow the basic steps learned today to solve the problem
2. Study the caissons in depth
3. Summary "TREATING EXPANSIVE SOIL", ASCE, August 1987
4. Estimation of Bearing Capacity of Circular Footings on Sands Based on CPT
5. What is progressive rupture?
6. change values and calculate the q_0 for the embedment depth of B
7. Summary Plate Load Test in Dahlberg(1975) and Jamiolkowski et al (1985)
8. Solve the "Winkler Foundation" with program coding
9. Study various pile dynamic formulas
10. Solve the "Load-Transfer" with program coding