
GRLWEAP 2010, GRLWEAP Offshore Wave Released

Pile Dynamics GRLWEAP 2010 software has been officially released. GRLWEAP (Wave Equation Analysis of Piles) was developed in the 1970s for the U.S. Federal Highway Administration, based on concepts developed by E.A.L. Smith of Raymond International. The program simulates the pile driving process and, for each assumed pile capacity, calculates driving resistance (blow count) and dynamic stresses. It also helps check on the adequacy of pile driving equipment, the

bearing capacity of an installed pile and is helpful for designing dynamic load tests on drilled foundations.

GRLWEAP 2010 offers a friendlier interface with Office programs, simplified input for driveability and battered pile analyses, and an increased number of geotechnical analysis options, including one for CPT data analysis. GRLWEAP now has an optional add-on designed specifically for the Offshore industry – GRLWEAP Offshore Wave. GRLWEAP

Offshore Wave makes it possible to model complex pipe pile sections and hammer locations at any point along the pile; it also calculates static bending stresses due to hammer weight for inclined pile driving, adds these static to the dynamic stresses and outputs fatigue analysis tables.

In addition to the GRLWEAP software program Pile Dynamics produces several other quality assurance and quality control products for the deep foundations industry. The company has representatives in all continents. For information visit www.pile.com.