



Practical Methods for the Analysis of Piled Raft Foundations

By Kaltakci, Volkan

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Computer-Aided Analysis, Design Charts, Simplified Methods | The use of piled raft foundations has significantly increased over the last few decades since taking into account the contribution of the raft to the overall bearing capacity enabled the engineers to design much more efficient piled foundations which perform as well as the conventionally designed ones with significantly lower number of piles. However, although many researchers have been studying on this subject, a user-friendly design procedure is still not available in the literature. This book, therefore, offers two different simple methods to estimate the settlements of the piled raft foundations. Utilizing the charts provided in this book, the settlement of a piled raft foundation can be obtained by simple hand calculations in the first method while it can be calculated by computerized analysis in the second one. This book should be especially useful for the geotechnical experts and/or engineers looking for a simplified method for the analysis of piled rafts and academicians who are interested in the subject. | Format: Paperback | Language/Sprache: english | 176 gr | 220x150x6 mm | 120 pp.

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