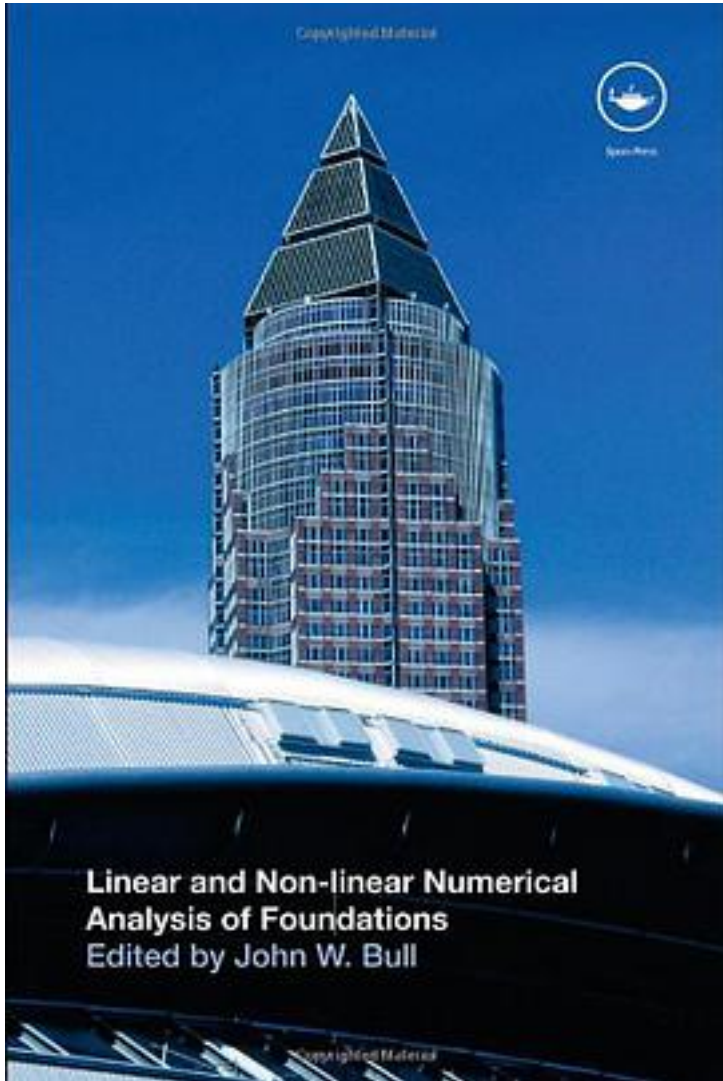


# Linear and Non Linear Numerical Analysis of Foundations



[Linear and Non Linear Numerical Analysis of Foundations\\_ 下载链接1](#)

著者:Bull, John W. 编

出版者:

出版时间:2009-3

装帧:

isbn:9780415420501

The correct understanding, design and analysis of foundations that support structures are fundamental to the safety of those structures. Witness the leaning tower of Pisa, which if built a short distance from its present location would have remained upright and just have been another safe structure. Linear and non linear numerical analysis of foundations provides a review of state of the art techniques for modelling foundations using both linear and non linear numerical analysis. The book considers foundations as they affect a range of infrastructure, civil engineering and structural engineering projects. The topics covered include: ground vibrations caused by trains moving over elevated bridges with pile foundations; pile-group effect; bearing capacity of shallow foundations under static and seismic conditions; development of bucket foundation technology for Offshore Oilfields; effects of seismically induced liquefaction in earth embankment foundations; free vibrations of industrial chimneys and TV towers with flexibility of the soil; seismic analysis of pile foundations in liquefying soil; settlements of high rise structures; seepage, stress fields and dynamic responses in dams; and, site investigations. Academic, design and contracting experts contribute their expertise on the latest advances in linear and non linear numerical analysis of foundations. The contributions from these world experts will allow designers, engineers, architects, researchers and clients to understand some of the advanced numerical techniques used in the analysis and design of foundations and to guide them into safer and longer lasting structural foundations.

作者介绍:

目录:

[Linear and Non Linear Numerical Analysis of Foundations\\_ 下载链接1](#)

标签

评论

-----  
[Linear and Non Linear Numerical Analysis of Foundations\\_ 下载链接1](#)

-----  
[Linear and Non Linear Numerical Analysis of Foundations\\_下载链接1](#)