

学术论文

《建筑地基基础设计规范》的编制和历次修订

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摘要:

对我国建筑地基基础设计规范的编制和历次修订工作进行了总结和回顾。TJ 7—74《工业与民用建筑地基基础设计规范》是我国地基基础设计的第一本规范,打破了一直沿用前苏联HNTY 127-55规范的历史。GBJ 7—89规范在TJ 7—74规范遗留问题深入研究基础上进行了补充、修改工作,内容上更加完整,与我国其它规范同步引入概率极限状态设计的术语和设计表达。GB 50007—2002规范进一步明确了在地基基础设计中两种极限状态的使用范围和计算方法;强调地基基础设计按变形控制设计的原则;同时学习和研究了国际上先进标准规范的内容,对规范整体内容进行了调整,基本实现了与国际先进标准规范的接轨。《建筑地基基础设计规范》正在进行新的修订工作,针对目前国内高层建筑以及地下空间利用的需求,对大底盘高层建筑基础设计、抗浮设计、复合地基设计等内容充实、补充和完善。每一次的修订工作都对规范进行增补内容,有助于提高我国地基基础设计水平,促进行业技术进步起到了重要作用。参3

关键词: 地基基础 设计 修订

Current preparation and previous revisions of ‘Code for design of building foundation’

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Abstract:

The paper summarizes and reviews the preparation and previous revisions of ‘Code for design of building foundation’. The ‘Code for design of industrial and civil building foundation’ (TJ 7—74) is the first code of building foundation design in our country, and it terminates the history of using the former Soviet Union HNTY 127-55 code. Based on in-depth research of remaining problems of the TJ 7—74 code, the content of the 1989 edition of the code (GBJ 7—89) is more complete with supplement and modification. The GBJ 7—89 code and China’s other codes synchronously implement probability limit state design. The 2002 edition of the code (GB 50007—2002) further clarifies the scope and calculation method of two limit state designs, emphasizing the deformation control design principle in foundation design. While learning and studying the codes of other countries, GB 50007—2002 adjusts the whole content and essentially keeps pace with international advancement of design codes. Currently, ‘Code for design of building foundation’ is in the process of revision. According to the present demand of high-rise buildings and underground space, the code is further enriched with large-scale raft foundation design for high-rise building, anti-floating design and composite foundation design. Every revision of the design codes enriches with new content, plays an important role to improve the foundation design and advances the level of technology and industrialization in our procession.3Refs.In Chinese.

Keywords: foundation design revision

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