

Preface

This textbook contains up-to-date information on planning, analysis and design of earthquake-resistant building structures. Its intention is to provide engineers, architects, developers and students of structural engineering architecture with authoritative, yet practical, design information. It represents an attempt to bridge the persisting gap between advances in the theories and concepts of seismic design and their implementation in seismic design practice.

One should realize that seismic design is still as much an art as it is a science. Hence, no matter how helpful the material in this textbook might prove to be, it cannot replace or substitute sound engineering judgment. Furthermore, one must recognize that on some seismic design and detailing issues, a general consensus on the appropriate approaches does not yet exist. As an eminent engineer said: “No two design offices completely agree on all aspects of seismic design or proper detailing.”

The primary purpose of this textbook is to serve students and teachers. However, its cope and its treatment of both theory and practice should also make it valuable to both practicing engineers and architects of earthquake-resistant design.

This book includes 8 chapters. Chapter 1 and 2 was compiled by Dr. Huo Linsheng. Chapter 3 was compiled by Dr. Li Hongnan. Chapter 4 was compiled by Dr. Qu Jiting. Chapter 5 was compiled by Dr. Dong Zhiqian. Chapter 6 was compiled by Dr. Che Yi. Chapter 7 was compiled by Dr. Li Chao. Chapter 8 was compiled by Dr. Fu Xing.

If there are any questions, please feel free to contact us.

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