



## SEISMIC RESISTANCE SECURITY OF ARCH DAMS

### 著作类成果

## 高拱坝抗震安全

#### 【创新性】

本书列入“十二五”国家重点图书出版规划项目，获得电力科技专著出版基金资助，中国电力出版社于2011年出版发行。爱思唯尔（ELSEVIER）出版社出版了该专著的英文版。本书得到国家自然科学基金重点项目“西部高拱坝抗震安全前沿性基础科学问题研究”的资助。本书从工程应用角度出发，对地震作用下高拱坝的实际性状、破坏机理及安全裕度等相关知识进行了系统全面的介绍。全书共分三篇15章，约65万字，主要包括抗震分级设防水准、坝址地震动输入机制、地震动力响应并行计算以及大坝混凝土动态抗力研究等内容。

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#### 【影响力】

2013年该书为中国电力出版社唯一入选国家新闻出版广电总局第四届“三个一百”原创图书出版工程的专著。2015年该书荣获中国出版协会第五届中华优秀出版物图书提名奖。

#### 【Innovation】

This book is included in the National Important Books Project during the 12th Five-Year Plan Period, and wins support from the Electric Power Science and Technology Books Publishing Fund. It was published in 2011 by China Electric Power Press. Elsevier published its English version. It also wins support from the "Research on Frontier Scientific Issues of the Seismic Resistance Security of Arch Dams in the West", a key project of NSFC. In this book, a systematic comprehensive introduction is given to the actual character, failure mechanism, safety margin and relevant knowledge of arch dams under earthquake action from the perspective of engineering application. It contains 3 sections, 15 chapters and approximately 650,000 Chinese characters, including the Seismic design level, seismic input mechanism of dam site, parallel computation of seismic response, and research of dynamic resistance of dam concrete.

#### 【Influence】

In 2013, this book was included into the Fourth "Three One Hundred" Original Books Publishing Project of the State Administration of Press, Publication, Radio, Film and Television, the only winning book of China Electric Power Press. In 2015, this book was nominated for the Fifth Chinese Excellent Publications Awards.

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