

<<土石坝水力劈裂>>

图书基本信息

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内容概要

水力劈裂是一种在岩石或土体中由于水位上升引起裂缝产生或扩展的物理现象。

土石坝水力劈裂是一个关系大坝安全的复杂问题。

王俊杰编著的《土石坝水力劈裂（英文版）》从水力劈裂的发生条件和机理、判定准则和数值模拟方法三方面研究土石坝水力劈裂问题，并研究了糯扎渡土石坝的抗水力劈裂性能。

《土石坝水力劈裂（英文版）》内容包括：文献综述，水力劈裂发生条件和机理，心墙土体的断裂韧度和抗拉强度、I-复合型断裂破坏判定准则，水力劈裂判定准则、数值模拟方法和影响因素。

本书读者包括水利工程的研究者、设计者和建设者，以及对水利工程研究感兴趣的人士。

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作者简介

王俊杰，男，1946年生，清华大学自动化系教授。

1970年毕业于清华大学动力系热工量测及自动化专业，后留校任教。

曾任清华大学自动化系自动检测及仪表教研组长、检测与电子技术研究所副所长、传感器与检测技术实验室主任。

1991-1992年在德国斯图加特大学热力学与热能工程研究所做高级访问学者。

学术兼职为中国仪器仪表学会理事、专家委员会委员，北京自动化学会监事长，中国电工学会计算机应用专业委员会理事，中国ASI总线协会理事等。

科研方面参加过国家“七五”、“八五”和“九五”科技攻关任务，国家高科技863工程和多项横向科研任务。

曾获得国家发明三等奖，北京市科技成果奖、科技进步奖和教委科技进步奖、863工程先进个人奖等多项奖励。

在国内外专业刊物发表论文60多篇，出版教科书和专著6部。

研究方向为基于模型的检测方法和智能仪表的研究，用于环保的大气和水质监测仪表的研究，现场总线技术及应用的研究等。

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