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<<智能材料在结构健康监测控制及生物

图书基本信息

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内容概要

Smart Materials in Structural Health Monitoring, Control and Biomechanics presents the latest developments in structural healthmonitoring, vibration control and biomechanics using smartmaterials. The book mainly focuses on piezoelectric, fibre optic andionic polymer metal composite materials. It introduces conceptsfrom the very basics and leads to advanced modelling (analytical/numerical), practical aspects (including software/hardware issues) and case studies spanning civil, mechanical and aerospace structures, including bridges, rocks and underground structures. This book is intended for practicing engineers, researchers fromacademic and R&D institutions and postgraduate students in thefields of smart materials and structures, structural health monitoring, vibration control and biomedical engineering.

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