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<<机械系统RBF神经网络控制>>

图书基本信息

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作者：刘金琨

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内容概要

《机械系统rbf神经网络控制：设计、分析及matlab仿真(英文版)(精)》从matlab仿真角度，结合典型机械系统控制的实例，系统地介绍了神经网络控制的基本理论、基本方法和应用技术，是作者多年来从事控制系统教学和科研工作的结晶，同时融入了国内外同行近年来所取得的新成果。

全书共分11章，包括rbf网络的设计及分析、基于梯度下降法的rbf网络控制、简单的rbf网络自适应控制，rbf网络滑模控制、基于rbf网络逼近的自适应控制、基于rbf网络的自适应反演控制、rbf网络数字控制、离散系统的rbf网络控制及自适应rbf网络观测器的设计。
每种控制方法都通过matlab进行了仿真分析。

《机械系统rbf神经网络控制：设计、分析及matlab仿真(英文版)(精)》各部分内容既相互联系又相互独立。
本书适用于从事生产过程自动化、计算机应用、机械电子和电气自动化领域工作的工程技术人员阅读，也可作为大专院校工业自动化、自动控制、机械电子、自动化仪表、计算机应用等专业的教学参考书。

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编辑推荐

刘金琨所著的《机械系统RBF神经网络控制(设计分析及Matlab仿真)》从matlab仿真角度，结合典型机械系统控制的实例，系统地介绍了神经网络控制的基本理论、基本方法和应用技术，是作者多年来从事控制系统教学和科研工作的结晶，同时融入了国内外同行近年来所取得的新成果。
各部分内容既相互联系又相互独立。
本书适用于从事生产过程自动化、计算机应用、机械电子和电气自动化领域工作的工程技术人员阅读，也可作为大专院校工业自动化、自动控制、机械电子、自动化仪表、计算机应用等专业的教学参考书。

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