图书基本信息

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内容概要

The three volume set LNCS 3610, LNCS 3611, and LNCS 3612 constitutes the refereed proceedings of the First International Conference on Natural Computation, ICNC 2005, held in Changsha, China, in August 2005 as a joint event with the Second International Conference on Fuzzy Systems and Knowledge Discovery FSKD 2005 (LNAI volumes 3613 and 3614).

书籍目录

Neural Network Applications: Pattern Recognition and Diagnostics Monitoring of Tool Wear Using Feature Vector Selection and Linear Regression Image Synthesis and Face Recognition Based on 3D Face Model and Illumination Model Head-and-Shoulder Detection in Varying Pose Principal Component Neural Networks Based Intrusion Feature Extraction and Detection Using SVM GA-Driven LDA in KPCA Space for Facial Expression Recognition A New ART Neural Networks for Remote Sensing Image Classification Modified Color Co-occurrence Matrix for Image Retrieval A Novel Data Fusion Scheme for Of[line Chinese Signature Verification A Multiple Eigenspaces Constructing Method and Its Application to Face Recognition Quality Estimation of Fingerprint Image Based on Neural Network Face Recognition Based on PCA/KPCA Plus CCA Texture Segmentation Using Intensified Fuzzy Kohonen Clustering Network Application of Support Vector Machines in Reciprocating Compressor Valve Fault Diagnosis The Implementation of the Emotion Recognition from Speech and Facial Expression System Kernel PCA Based Network Intrusion Feature Extraction and Detection Using SVM Leak Detection in Transport Pipelines Using Enhanced Independent Component Analysis and Support Vector Machines Line-Based PCA and LDA Approaches for Face Recognition Comparative Study on Recognition of Transportation Under Real and UE Status Adaptive Eye Location Using FuzzyART Face Recognition Using Gabor Features and Support Vector Machines Wavelet Method Combining BP Networks and Time Series ARMA Modeling for Data Mining Forecasting On-line Training of Neural Network for Color Image Segmentation Short-Term Prediction on Parameter-Varying Systems by Multiwavelets Neural NetworkNeural Network Applications: Robotics and Intelligent Control Neural Network Applications: Signal Processing and Multi-media Other Neural Networks Applications Evolutionary LearingArtificial Immune SystemsEvolutinary TheoryMembrane,Molecular,and DNA ComputingAnts ColonyAuthor Index

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