

<<计算机视觉系统/Computer vi>>

图书基本信息

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### 内容概要

This book constitutes the refereed proceedings of the First International Conference on Computer Vision Systems, ICVS '99, held in Las Palmas, Gran Canaria, Spain, in January 1999. The 32 revised full papers presented were selected from a total of 65 submissions. The book is divided in sections on vision for navigation, computer vision systems, visual tracking, knowledge-based methods and systems, architectural aspects, active vision, 3D modelling, and object recognition.

书籍目录

Architectures for Computer Vision Systems A Vision System for Autonomous Ground Vehicles with a Wide Range of Maneuvering Capabilities A Framework for Generic State Estimation in Computer Vision Applications A Modular Software Architecture for Real-Time Video Processing MOBSY: Integration of Vision and Dialogue in Service Robots Tracking A Handwriting Recognition System Based on Visual Input Integration of Wireless Gesture Tracking, Object Tracking, and 3D Reconstruction in the Perceptive Workbench Towards Robust Multi-cue Integration for Visual Tracking Autonomous Driving Real Time Visual Cues Extraction for Monitoring Driver Vigilance Radar and Vision Data Fusion for Hybrid Adaptive Cruise Control on Highways Combining EMS-Vision and Horopter Stereo for Obstacle Avoidance of Autonomous Vehicles Real-Time Vision Modules The CardEye: A Trinocular Active Vision System RPV-II: A Stream-Based Real-Time Parallel Vision System and Its Application to Real-Time Volume Reconstruction A Real-Time Vision Module for Interactive Perceptual Agents 1 A Fault-Tolerant Distributed Vision System Architecture for Object Tracking in a Smart Room Recognition Compiling SA-C Programs to FPGAs: Performance Results Identification of Shapes Using a Nonlinear Dynamic System Adapting Object Recognition across Domains: A Demonstration Exploration and Navigation A System to Navigate a Robot into a Ship Structure Reconstructing Textured CAD Model of Urban Environment Using Vehicle-Borne Laser Range Scanners and Line Cameras A Stereo Vision System for Support of Planetary Surface Exploration Author Index

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