

1. Record Nr.	UNINA9910461417403321
Titolo	Binocular vision [[electronic resource]] : development, depth perception, and disorders // editors, Jacques McCoun and Lucien Reeves
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, c2010
ISBN	1-61761-957-4
Descrizione fisica	1 online resource (276 p.)
Collana	Eye and Vision Research Developments
Altri autori (Persone)	McCounJacques ReevesLucien
Disciplina	612.8/4
Soggetti	Binocular vision Binocular vision disorders Computer vision Depth perception Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""BINOCULAR VISION:DEVELOPMENT, DEPTHPERCEPTION AND DISORDERS""; ""BINOCULAR VISION:DEVELOPMENT, DEPTHPERCEPTION AND DISORDERS""; ""CONTENTS""; ""PREFACE""; ""NEW TRENDS IN SURFACE RECONSTRUCTIONUSING SPACE-TIME CAMERAS:FUSING STRUCTURE FROM MOTION,SILHOUETTE, AND STEREO""; ""Abstract""; ""1. Introduction""; ""2. Reconstruction of Space Curves on the Surface ofObject""; ""2.1. Differential Geometry of Space Curves""; ""2.2. Inverse Problem Formulation""; ""2.3. Reconstruction of Unique Space Curves""; ""3. Rigid Motion Estimation by Tracking the Space Curves"" ""4. Motion Estimation Using Double Stereo Rigs""""4.1. Single Stereo Rig""; ""4.2. Double Stereo Rigs""; ""5. Shape Reconstruction from Object Silhouettes AcrossTime""; ""5.1. Space-Time or Virtual Camera Generation""; ""5.2. Visual Hull Reconstruction from Silhouettes of Multiple Views""; ""5.2.1. Volume Based Visual Hull""; ""5.2.1.1. Intersection Test in Octree Cubes""; ""5.2.1.2. Synthetic Model Results""; ""5.2.2. Edge Base Visual Hull""; ""5.2.2.1. Synthetic Model Results""; ""Implementation and Exprimental Results""; ""Conclusions"";

""Acknowledgment""; ""References""

""OCULAR DOMINANCE WITHIN BINOCULARVISION""Abstract"";

""Introduction: Ocular Dominance""; ""Demography of Ocular Dominance""; ""A Taxonomy of Ocular Dominance""; ""Is Ocular Dominance Test Specific?""; ""I. Tests of Rivalry""; ""II. Tests of Asymmetry""; ""III. Sighting Tests""; ""Some Misconceptions""; ""Resolving the Paradox of Ocular Dominance""; ""Some Clinical Implications of Ocular Dominance""; ""Conclusion""; ""References"";

""THREE-DIMENSIONAL VISION BASED ONBINOCULAR IMAGING AND APPROXIMATIONNETWORKS OF A LASER LINE""; ""Abstract""; ""1. Introduction""; ""2. Basic Theory""

""3. Bezier Networks for Surface Contouring""""4. Parameter of the Vision System""; ""5. Experimental Results""; ""Conclusions""; ""References"";

""EYE MOVEMENT ANALYSIS IN CONGENITALNYSTAGMUS: CONCISE PARAMETERSESTIMATION"";

""Abstract""; ""Introduction""; ""Terminology (Definitions)""; ""Clinical Assessment""; ""Examination Techniques: Motility""; ""Ocular Motility Recordings""; ""Semiautomatic Analysis of Eye Movement Recordings""; ""Slow Eye Movements in Congenital Nystagmus""; ""Conclusion""; ""References"";

""EVOLUTION OF COMPUTER VISION SYSTEMS"";

""Abstract""; ""Introduction""

""Present-Day Level of CVS Development""""Full-Scale Universal CVS"";

""Integration of CVS and AI Control System""; ""Conclusion""; ""References"";

""BINOCULAR VISION AND DEPTH PERCEPTION: DEVELOPMENT AND DISORDERS""; ""Introduction""; ""1. Advantages of Binocular Vision""; ""2. Foundations of Binocular Vision""; ""3. Stereopsis as the Highest Level of Binocular Vision""; ""4. Binocular Viewing Conditions on Pupil Near Responses""; ""5. Development of Binocular Vision""; ""Conclusion""; ""References""

""REPEATABILITY OF PRISM DISSOCIATION ANDTANGENT SCALE NEAR HETEROPHORIA MEASUREMENTS IN STRAIGHTFORWARDGAZE AND IN DOWNGAZE""
