

1. Record Nr.	UNISA996465475003316
Autore	Cipolla Roberto
Titolo	Active Visual Inference of Surface Shape [[electronic resource] /] / by Roberto Cipolla
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1996
ISBN	3-540-48522-8
Edizione	[1st ed. 1996.]
Descrizione fisica	1 online resource (XII, 196 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1016
Disciplina	006.4/2
Soggetti	Computer mathematics Differential geometry Computer simulation Optical data processing Artificial intelligence Pattern recognition Computational Mathematics and Numerical Analysis Differential Geometry Simulation and Modeling Image Processing and Computer Vision Artificial Intelligence Pattern Recognition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Surface shape from the deformation of apparent contours -- Deformation of apparent contours — Implementation -- Qualitative shape from images of surface curves -- Orientation and time to contact from image divergence and deformation -- Conclusions.
Sommario/riassunto	This monograph is devoted to the problem of inferring geometric information about arbitrarily curved surfaces from visual cues; this is a central problem in computer vision with immediate relevance for robot manipulation and navigation. The author develops computational theories and techniques relating visual information arising from viewer movements to the differential geometry of visible surfaces. The

theories developed have been implemented and tested using a real-time tracking system based on deformable contours. Applications of the techniques to geometric modelling, obstacle avoidance, navigation, and object manipulation are presented.

2. Record Nr.	UNINA9910139473103321
Autore	Fink Johannes Karl
Titolo	A concise introduction to additives for thermoplastic polymers [[e-book] /] / Johannes Karl Fink
Pubbl/distr/stampa	Hoboken, NJ, : Wiley Salem, MA, : Scrivener Pub., c2010
ISBN	1-282-68401-9 9786612684012 0-470-62424-8 1-61344-163-0 0-470-62423-X
Descrizione fisica	1 online resource (284 p.)
Collana	Wiley-Scrivener ; ; v.1
Disciplina	668.4/23 668.9
Soggetti	Polymers - Additives Thermoplastics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	A Concise Introduction to Additives for Thermoplastic Polymers; Contents; Preface; 1 Introduction; 1.1 Classification; References; 2 Plasticizers; 2.1 Principle of Action; 2.2 Principle of Selection; 2.3 Characterization; 2.4 Risks and Drawbacks; 2.4.1 Leaching; 2.4.2 Inherent Toxicity; 2.5 Classes of Plasticizers; 2.5.1 Phthalate Plasticizers; 2.5.2 Cyclohexanoic Diesters; 2.5.3 Phosphate Plasticizers; 2.5.4 Aliphatic Esters; 2.5.5 Polymeric Plasticizers; 2.5.6 Ionic Liquids; 2.6 Specific Examples of Application; 2.6.1 Heat Shrinkable Films; 2.6.2 Adhesive Compositions 2.6.3 Interlayer Films for Safety Glasses2.6.4 Electrolyte Membranes;

2.6.5 Porous Electrodes; 2.6.6 Biodegradable Polymers; 2.6.7 Plasticizers for Energetic Polymers; References; 3 Fillers; 3.1 Surface Modification; 3.1.1 Siloxanes; 3.1.2 Dispersion and Coupling Additives; 3.2 Special Applications; 3.2.1 Flame Retardant Fillers; 3.2.2 Conductive Fillers; 3.2.3 Solder Precoated Fillers; 3.2.4 Nano Clays; 3.2.5 Mixed Matrix Membranes; References; 4 Colorants; 4.1 Physics Behind a Color; 4.1.1 Human Eye; 4.1.2 Tristimulus Values; 4.1.3 Color Spaces; 4.2 Color Index; 4.3 Test Standards
4.4 Pigments
4.5 Organic Colorants; References; 5 Optical Brighteners; 5.1 Basic Principles; 5.2 Measurement; 5.3 Inorganic Brighteners; 5.4 Organic Optical Brighteners; 5.4.1 Reactive Optical Brighteners; 5.4.2 Melt Extrusion; 5.4.3 Photographic Supports; References; 6 Antimicrobial Additives; 6.1 Modes of Action; 6.1.1 Types of Irritations; 6.2 Plasticizers; 6.3 Special Formulations; 6.3.1 Contact Lenses; 6.3.2 Food Packaging; 6.3.3 Polymers with Inherent Antimicrobial Properties; References; 7 Flame Retardants; 7.1 Mechanisms of Flame Retardants; 7.1.1 Flame Cooling of Halogens
7.2 Smoke Suppressants
7.3 Admixed Additives; 7.4 Bonded Additives; 7.4.1 Examples of Polymers; References; 8 Lubricants; 8.1 Principle of Action; 8.2 Methods of Incorporation; 8.2.1 Conventional Method; 8.2.2 Separate Delivery of the Lubricant; 8.3 Types of Lubricants; 8.3.1 Alcohols; 8.3.2 Fatty Acids, Esters and Amides; 8.3.3 Waxes; 8.3.4 Polymeric Lubricants; 8.4 Special Applications; 8.4.1 PVC; 8.4.2 Chlorinated PVC; 8.4.3 Electrically Conductive Polymers; References; 9 Antistatic Additives; 9.1 Types of Additives; 9.2 Areas of Application; 9.3 Additives in Detail
9.3.1 Conventional Additives
9.3.2 Polymeric Additives; 9.3.3 External Antistatic Additives; 9.3.4 Intrinsically Antistatic Compositions; 9.3.5 Conductive Fillers; References; 10 Slip Agents; 10.1 Basic Principles of Action; 10.2 Compounds; 10.3 Special Formulations; 10.3.1 Poly(ethylene terephthalate); 10.3.2 Formulations for Poly(ethylene); References; 11 Surface Improvers; 11.1 Additives; 11.1.1 Fluorocarbon Compounds; 11.1.2 Acrylics; 11.1.3 Modified Pigments; 11.1.4 Organic Salts; References; 12 Nucleating Agents; 12.1 Crystalline Polymers; 12.1.1 Crystal Structures
12.1.2 Modification of Properties by Crystallinity

Sommario/riassunto

Describes twenty-one of the most important and commonly used additives. A Concise Introduction to Additives for Thermoplastic Polymers focuses on additives for thermoplastic polymers and describes 21 of the most important and commonly used additives from Plasticizers and Fillers to Optical Brighteners and Anti-Microbial additives. It also includes chapters on safety and hazards, and prediction of service time models. While there are many exhaustive and complex books dealing with additives for polymers, the size of them deter students and many industry engineers from using them.

3. Record Nr.	UNIORUON00258600
Autore	LUFFIN, Xavier
Titolo	Kinubi texts / Xavier Luffin
Pubbl/distr/stampa	Muenchen, : Lincom Europa, 2004
ISBN	38-958683-5-3
Descrizione fisica	173 p. ; 21 cm
Disciplina	492.77
Soggetti	DIALETTI ARABI
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia