1. Record Nr. UNINA9910164706903321

Titolo	Symposium on Aging of Rubbers
Pubbl/distr/stampa	[Place of publication not identified], : American Society for Testing & Materials, 1949
ISBN	0-8031-5909-9
Descrizione fisica	1 online resource
Disciplina	620.11205
Soggetti	Polymerization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph

2. Record Nr. UNINA9910139028203321

Autore	Hochberg Herbert
Titolo	Relations and predicates / / Herbert Hochberg, Kevin Mulligan (eds.)
Pubbl/distr/stampa	Frankfurt, : Ontos Verlag, 2004
ISBN	3-11-032685-X
Descrizione fisica	1 online resource (257 p.)
Collana	Philosophische Analyse / Philosophical Analysis ; ; 11 Philosophische Analyse ; ; Bd. 11
Altri autori (Persone)	HochbergHerbert MulliganKevin
Disciplina	100
Soggetti	Prediction (Logic)
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.
Nota di contenuto	Frontmatter -- Contents -- INTRODUCTION -- Absurd Claims / Gustafsson, Lars -- Relations, Properties and Particulars / Hochberg, Herbert -- Predication Theory: Classical vs Modern / Angelelli, Ignacio

	-- Bareness, as in '"Bare" Particulars': Its Ubiquity / Wilson, Fred -- Objects as Hierarchical Structures: A Comprehensive Ontology / Mertz, D. W. -- The Ontological Problem of Order / Tegtmeier, Erwin -- On the Transitivity of the Parthood Relations / Johansson, Ingvar -- Warum es die Früher-Später Beziehung nicht gibt / Kanzian, Christian -- Tropes and Relations / Trettin, Käthe -- Once More: Bradleyan Regresses / Schnieder, Benjamin -- Backmatter
Sommario/riassunto	Interest in the age-old problems of universals and individuation has received a new impetus from the current revival of ontology in the analytic tradition, the development of theories of individual properties (and the related application of mereological calculi to the analysis of predication), and the particular problems posed by relational predication and the nature of particulars. The essays explore aspects of the history of the issues and attempt to deal with the issues and with challenges to the distinctions that give rise to them. They continue the debates stemming from the revival of met

3.

Record Nr.	UNINA9910484142003321
Autore	Bayro Corrochano Eduardo
Titolo	Geometric Algebra Applications Vol. II : Robot Modelling and Control / / by Eduardo Bayro-Corrochano
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-34978-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (xxix, 600 pages) : illustrations
Disciplina	516.35
Soggetti	Algebraic geometry Computational intelligence Control engineering Robotics Automation Artificial intelligence Dynamics Nonlinear theories Algebraic Geometry Computational Intelligence Control, Robotics, Automation Artificial Intelligence Applied Dynamical Systems

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Geometric Algebra for Modeling in Robotic Physics -- Introduction to Geometric Algebra -- Lie Algebras, Lie Groups and Algebra of Incidence -- 2D, 3D and 4D Geometric Algebras -- Kinematics of the 2D and 3D Spaces -- Conformal Geometric Algebra -- Programming Issues -- Rigid Motion Interpolation -- Robot Kinematics -- Robot Dynamics -- Control of Robot Manipulators -- Robot Neurocontrol -- Robot Control and Tracking -- Rigid Motion Estimation Using Line Observations -- Tracker Endoscope Calibration and Body-Sensors Calibration -- Tracking, Grasping and Object Manipulation -- 3D Maps, Navigation and Relocalization -- Quadrotor -- Modeling and Registration of Medical Data -- Geometric Computing for Minimal Invasive Surgery.
Sommario/riassunto	The goal of Geometric Algebra Applications Vol. II: Robot Modeling and Control is to present a unified mathematical treatment of diverse problems in the general domain of robotics and associated fields using Clifford, or geometric algebra. By treating a wide spectrum of problems in a common language, this Volume II offers both new insights and new solutions that should be useful to scientists, and engineers working in different areas related with robotics. Topics and features -Introduces a no specialists to Clifford, or geometric, algebra and by examples encourages the reader to learn to compute using geometric entities and geometric formulations. -A study in depth for applications of Lie group theory, Lie algebra, spinors and versors and the algebra of incidence using the universal geometric algebra generated by reciprocal null cones. -Includes a thorough study of kinematics, differential kinematics and dynamics using geometric algebra. TheEuler Lagrange and Hamiltonians equations for dynamics are developed using conformal geometric algebra and the recursive Newton-Euler using screw theory in the motor algebra framework. A thorough study of robot modeling and nonlinear controllers. -Thorough discussion of several applications in computer vision, graphics, neurocomputing, quantum computing, robotics and control engineering using the geometric algebra framework. -209 exercises and hints for the development of future computer software packages for extensive calculations in geometric algebra. A entire section is dedicated to explain how one should write the subroutines in C++, Matlab and Maple to carry out efficient geometric computations in the geometric algebra framework. Furthermore it is shown how program code can be optimized for real time computations. -The book is an essential resource for applied physicists, computer scientists, AI researchers, roboticists and mechanical and electrical engineers, it clarifies and demonstrates the importance of geometric computing for building autonomous systems and push forward advances in cognitive systems research.