1. Record Nr. UNINA9910452098003321

Titolo	Handbook of hydraulic fluid technology / / edited by George E. Totten, Victor J. De Negri
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, , 2012
ISBN	0-429-09284-9 1-4200-8527-1
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (963 p.)
Altri autori (Persone)	TottenGeorge E NegriVictor J. de
Disciplina	621.2/0424
Soggetti	Fluid power technology Hydraulic fluids 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	Front Cover; Contents; Preface to the Second Edition; Preface to the First Edition; Editors; Contributors; Chapter 1 - Fundamentals of Hydraulic Systems and Components; Chapter 2 - Seals and Seal Compatibility; Chapter 3 - Physical Properties and Their Determination; Chapter 4 - Fluid Viscosity and Viscosity Classification; Chapter 5 - Control and Management of Particle Contamination in Hydraulic Fluids; Chapter 6 - Lubrication Fundamentals; Chapter 7 - Hydraulic Fluid and System Standards; Chapter 8 - Biodegradable Hydraulic Fluids Chapter 9 - Fire-Resistance Testing Procedures and Standards of Hydraulic FluidsChapter 11 - Noise and Vibration of Fluid Power Systems; Chapter 12 - Failure Analysis; Chapter 13 - Petroleum Oil Hydraulic Fluids; Chapter 14 - Emulsions; Chapter 16 - Water Hydraulics; Chapter 17 - Polyol Ester Fluids; Chapter 18 - Biobased and Biodegradable Hydraulic Oils; Chapter 19 - Phosphate Ester Hydraulic Fluids; Chapter 20 - Polyalphaolefins and Other Synthetic Hydrocarbon Fluids; Chapter 21 - Food-Grade Hydraulic Fluids; Back Cover
Sommario/riassunto	Preface One of the most frustrating practices of my career has been the search for information on hydraulic fluids, which includes information on fluid chemistry; physical properties; maintenance practices; and

fluid, system, and component design. Although some information on petroleum oil hydraulic fluids can be found, there is much less information on fire-resistant, biodegradable, and other types of fluids. Unfortunately, with few exceptions, fluid coverage in hydraulic texts is typically limited to a single-chapter overview intended to cover all fluids. Therefore, it is often necessary to perform a literature search or a time-consuming manual search of my files. Some time ago it occurred to me that others must be encountering the same problem. There seemed to be a vital need for an extensive reference text on hydraulic fluids that would provide information in sufficient depth and breadth to be of use to the fluid formulator, hydraulic system designer, plant maintenance engineer, and others who serve the industry. Currently, there are no books dedicated to hydraulic fluid chemistry. Most hydraulic fluid treatment is found in handbooks, which primarily focus on hydraulic system hardware, installation, and troubleshooting. Most of these books fit into one of two categories. One type of book deals with hydraulic equipment, with a single, simplified overview chapter covering all hydraulic fluids but with a focus on petroleum-derived fluids. The second type of book provides fluid coverage with minimal, if any, discussion of engineering properties of importance in a hydraulic system. The purpose of the Handbook of Hydraulic Fluid Technology is to provide a comprehensive and rigorous overview of hydraulic fluid technology--

2.

Record Nr.	UNINA9910476930203321
Autore	Guerrero Gustavo
Titolo	Literatura latinoamericana mundial
Pubbl/distr/stampa	Berlin/Boston, : De Gruyter, 2020
Descrizione fisica	1 online resource (322 p.)
Collana	Latin American Literatures in the World / Literaturas Latinoamericanas en el Mundo
Soggetti	Literary studies: from c 1900 -
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	From the perspective of Latin American Studies, this volume offers a critical contribution to the current debate on world literature. It is structured around three conceptual blocks: gatekeepers, as the dispositives and actors mediating the international circulation of literature translation, as an unavoidable but always problematic mechanism and local literatures, as modes of writing that remain intrinsically tied to their contexts.

3. Record Nr. UNINA9910686478703321

Autore	Awange Joseph L
Titolo	Mathematical Geosciences : Hybrid Symbolic-Numeric Methods / / by Joseph L. Awange, Béla Paláncz, Robert H. Lewis, Lajos Völgyesi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-030-92495-5
Edizione	[2nd ed. 2023.]
Descrizione fisica	1 online resource (733 pages)
Altri autori (Persone)	PalánczBéla LewisRobert H VolgyesiLajos
Disciplina	550.151
Soggetti	Earth sciences Environmental sciences—Mathematics Geography—Mathematics Mathematical physics Physical geography Geophysics Earth Sciences Mathematical Applications in Environmental Science Mathematics of Planet Earth Mathematical Methods in Physics Earth System Sciences Geologia aplicada Matemàtica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Solution of nonlinear systems -- Solution of algebraic polynomial systems -- Homotopy solution of nonlinear systems -- Over and underdeterminated systems -- Nonlinear geodetic equations with uncertainties -- Optimization of systems -- Simulated annealing.
Sommario/riassunto	This second edition of Mathematical Geosciences book adds five new

topics: Solution equations with uncertainty, which proposes two novel methods for solving nonlinear geodetic equations as stochastic variables when the parameters of these equations have uncertainty characterized by probability distribution. The first method, an algebraic technique, partly employs symbolic computations and is applicable to polynomial systems having different uncertainty distributions of the parameters. The second method, a numerical technique, uses stochastic differential equation in Ito form; Nature Inspired Global Optimization where Meta-heuristic algorithms are based on natural phenomenon such as Particle Swarm Optimization. This approach simulates, e.g., schools of fish or flocks of birds, and is extended through discussion of geodetic applications. Black Hole Algorithm, which is based on the black hole phenomena is added and a new variant of the algorithm code is introduced and illustrated based on examples; The application of the Gröbner Basis to integer programming based on numeric symbolic computation is introduced and illustrated by solving some standard problems; An extension of the applications of integer programming solving phase ambiguity in Global Navigation Satellite Systems (GNSSs) is considered as a global quadratic mixed integer programming task, which can be transformed into a pure integer problem with a given digit of accuracy. Three alternative algorithms are suggested, two of which are based on local and global linearization via McCormic Envelopes; and Machine learning techniques (MLT) that offer effective tools for stochastic process modelling. The Stochastic Modelling section is extended by the stochastic modelling via MLT and their effectiveness is compared with that of the modelling via stochastic differential equations (SDE). Mixing MLT with SDE also known as frequently Neural Differential Equations is also introduced and illustrated by an image classification via a regression problem.