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| 1. Record Nr. | UNIBAS000022580 |
| Autore | Buddeberg, Else |
| Titolo | Gottfried Benn / Else Buddeberg |
| Pubbl/distr/stampa | Stuttgart : Metzler, 1961 |
| Descrizione fisica | VIII, 314 p. ; 24 cm. |
| Disciplina | 830 |
| Soggetti | Benn, Gottfried |
| Lingua di pubblicazione | Tedesco |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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| 2. Record Nr. | UNINA9910299743003321 |
| Titolo | Nonlinear approaches in engineering applications 2 // Reza N. Jazar, Liming Dai, editors |
| Pubbl/distr/stampa | New York : , : Springer, , 2014 |
| ISBN | 1-4614-6877-9 |
| Edizione | [1st ed. 2014.] |
| Descrizione fisica | 1 online resource (xii, 317 pages) : illustrations (some color) |
| Collana | Gale eBooks |
| Disciplina | 515.64
620
620.001515252
629.8 |
| Soggetti | Engineering mathematics
Nonlinear theories |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographic references and index. |
| Nota di contenuto | Part I: Analytical Nonlinearity -- Smart Flat Ride Tuning -- Light-Tracking Kinematics of Mobile Platform -- Diagnosis and Control of |

Nonlinear Oscillations of a Fluttering Plate -- A New Approach to the Tracking Control of Uncertain Nonlinear Multi-body Mechanical Systems -- Robustness of Orthogonal Eigenstructure Control to Actuators Failure -- Part II Practical Nonlinearity -- Energy Harvesting from Flows Using Piezoelectric Patches -- Experimental and Finite Element Nonlinear Dynamics Analysis of Formula SAE Impact Attenuator -- Nonlinear Vehicle Seat BSR characterization using CAE Methodology -- Parametric Segmentation of Nonlinear Structures in Visual Data: An Accelerated Sampling Approach -- Mechanical and Electromechanical Parametric Amplifiers.

Sommario/riassunto

Nonlinear Approaches in Engineering Applications 2 focuses on the application of nonlinear approaches to different engineering and science problems. The selection of topics for this book is based on the best papers presented in the ASME 2010 and 2011 in the tracks of Dynamic Systems and Control, Optimal Approaches in Nonlinear Dynamics and Acoustics, both of which were organized by the editors. For each selected topic, detailed concept development, derivations and relevant knowledge are provided for the convenience of the readers. The topics that have been selected are of great interest in the fields of engineering and physics and this book is designed to appeal to engineers and researchers working in a broad range of practical topics and approaches. This book also: Provides updated principles and applications of the nonlinear approaches in solving engineering and physics problems Demonstrates how nonlinear approaches may open avenues to better, safer, cheaper systems with less energy consumption Has a strong emphasis on the application, physical meaning, and methodologies of nonlinear approaches in different engineering and science problems.

3. Record Nr.	UNINA9910725098303321
Autore	Pruttskov Dmitriy
Titolo	Electrolytic Production of Al–Si Alloys : Theory and Technology / / by Dmitriy Pruttskov, Aleksander Andriiko, Aleksei Kirichenko
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-29249-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xviii, 98 pages) : illustrations (some color)
Collana	Monographs in Electrochemistry, , 1865-1844
Disciplina	620.186 669.722
Soggetti	Electrochemistry Chemistry, Physical and theoretical Materials - Analysis Chemistry, Technical Physical Chemistry Characterization and Analytical Technique Industrial Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Exchange reactions in Na ₃ AlF ₆ –Al ₂ O ₃ –SiO ₂ melts -- Kinetics and mechanism of Si(IV) electroreduction in Na ₃ AlF ₆ –Al ₂ O ₃ –SiO ₂ melts on Al cathode -- Current Yield -- Industrial Tests -- Modern Research Trends.
Sommario/riassunto	This monograph presents the theoretical background of the industrial process for the production of Al-Si alloys in standard aluminum electrolyzers. It reviews the physical chemistry and electrochemistry of cryolite melts containing silica and focuses on analyzing the exchange reactions in Na ₃ AlF ₆ –Al ₂ O ₃ –SiO ₂ melts. It presents the kinetics and mechanism of Si(IV) electroreduction in Na ₃ AlF ₆ –Al ₂ O ₃ –SiO ₂ melts on Al cathodes while the current yields as well as industrial tests performed are discussed. The modern research trends in the field are also overviewed. Providing readers with information not easily obtained in any other single source, this book is of great interest to researchers, graduates, and professionals working in the fields of electrochemistry and technology of cryolite-based melts.

