1. Record Nr. UNISALENTO991000561509707536

Autore	Pasquali, Giorgio <1885-1952>
Titolo	Università e scuola / Giorgio Pasquali
Pubbl/distr/stampa	Firenze : Sansoni, 1950
Descrizione fisica	150 p. ; 18 cm
Collana	Biblioteca del Leonardo
Disciplina	378.45
Soggetti	Università Istruzione secondaria
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910557344803321

Autore	Kjelstrup Signe
Titolo	Nanoscale Thermodynamics
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (168 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This Special Issue concerns the development of a theory for energy conversion on the nanoscale, namely, nanothermodynamics. The theory has been applied to porous media, small surfaces, clusters or fluids

		under confinement. The number of unsolved issues in these contexts is numerous and the present efforts are only painting part of the broader picture. We attempt to answer the following: How far down in scale does the Gibbs equation apply? Which theory can replace it beyond the thermodynamic limit? It is well known that confinement changes the equation of state of a fluid, but how does confinement change the equilibrium conditions themselves? This Special Issue explores some of the roads that were opened up for us by Hill with the idea of nanothermodynamics. The experimental progress in nanotechnology is advancing rapidly. It is our ambition with this book to inspire an increased effort in the development of suitable theoretical tools and methods to help further progress in nanoscience. All ten contributions to this Special Issue can be seen as efforts to support, enhance and validate the theoretical foundation of Hill.

3.	Record Nr.	UNINA9910682598303321
	Autore	Martinez-Guerra Rafael
	Titolo	An Approach to Multi-agent Systems as a Generalized Multi-synchronization Problem / / by Rafael Martínez-Guerra, Juan Pablo Flores-Flores
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
	ISBN	3-031-22669-0
	Edizione	[1st ed. 2023.]
	Descrizione fisica	1 online resource (222 pages)
	Collana	Understanding Complex Systems, , 1860-0840
	Disciplina	629.8 006.30285436
	Soggetti	System theory Stochastic processes Automatic control Differential equations Complex Systems Stochastic Systems and Control Control and Systems Theory Differential Equations
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An Overview of Chaos Synchronization -- Synchronization of Non-identical Systems -- State Estimation and Synchronization -- Generalized Multi-Synchronization and Multi-Agent Systems -- Multi-Synchronization in Heterogeneous Networks -- Synchronization for PDE-based Systems -- Synchronization and Fractional-order Systems.
Sommario/riassunto	This book addresses the problem of multi-agent systems, considering that it can be interpreted as a generalized multi-synchronization problem. From manufacturing tasks, through encryption and communication algorithms, to high-precision experiments, the simultaneous cooperation between multiple systems or agents is essential to successfully carrying out different modern activities, both in academy and industry. For example, the coordination of multiple assembler robots in manufacturing lines. These agents need to synchronize. The first two chapters of the book describe the synchronization of dynamical systems, paying special attention to the synchronization of non-identical systems. Following, the third chapter presents an interesting application of the synchronization phenomenon for state estimation. Subsequently, the authors fully address the multi-agent problem interpreted as multi-synchronization. The final chapters introduce the reader to a more complex problem, the synchronization of systems governed by partial differential equations, both of integer and fractional order. The book aimed at graduates, postgraduate students and researchers closely related to the area of automatic control. Previous knowledge of linear algebra, classical and fractional calculus is requested, as well as some fundamental notions of graph theory.