1. Record Nr. UNISA996466524503316

Autore	Gekeler Eckart <1940->
Titolo	Discretization methods for stable initial value problems / / Eckart Gekeler
Pubbl/distr/stampa	Berlin : , : Springer-Verlag, , [1984] ©1984
ISBN	3-540-38763-3
Edizione	[1st ed. 1984.]
Descrizione fisica	1 online resource (X, 201 p.)
Collana	Lecture notes in mathematics ; ; 1044
Disciplina	515.35
Soggetti	Initial value problems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Multistep multiderivative methods for differential systems of first order -- Direct multistep multiderivative methods for differential systems of second order -- Linear multistep methods and problems with leading matrix A(t)=a(t)A -- Linear multistep methods and nonlinear differential systems of first order -- Runge-Kutta methods for differential systems of first order -- Approximation of initial boundary value problems.

2.

Record Nr.	UNISALENTO991001204469707536
Autore	Lugaresi, Nicola
Titolo	Rethinking water law : the Italian case for a water code : the water policy initative at Columbia university at the Italian accademy for advanced studies in America / Nicola Lugaresi ; editing by Shlomi Dinar and David Sundel
Pubbl/distr/stampa	Trento : Università degli studi, 2000
ISBN	888613598X
Descrizione fisica	x, 183 p. ; 24 cm
Collana	Quaderni del Dipartimento ; 23
Altri autori (Persone)	Dinar, Shlomi Sundel, David
Disciplina	341.76253026
Soggetti	Acque - Inquinamento - Legislazione - Italia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In cop.: Dipartimento di scienze giuridiche
Nota di bibliografia	Include riferimenti bibliografici (p. [169]-183)

3. Record Nr. UNINA9910438055403321

Autore	Silber Gerhard
Titolo	Preventive biomechanics : optimizing support systems for the human body in the lying and sitting position / / Gerhard Silber, Christophe Then
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, 2012, c2013
ISBN	1-283-62701-9 9786613939463 3-642-29003-5
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (379 p.)
Altri autori (Persone)	ThenChristophe
Disciplina	620.820113
Soggetti	Biomedical engineering Biomechanics Impact - Physiological effect - Simulation methods
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	Introduction and Historical Backround -- The New Approach: BOSS-Procedure -- Fundamentals -- Extracorporal Supports -- Human Body Models (BOSS-Models) -- Applications-Mechanical Interactions -- Optimization Potential of the Method (Relationship between Perception and Biomechanical Injuries, 'Neuro-Biomechanics').
Sommario/riassunto	How can we optimize a bedridden patient’s mattress? How can we make a passenger seat on a long distance flight or ride more comfortable? What qualities should a runner’s shoes have? To objectively address such questions using engineering and scientific methods, adequate virtual human body models for use in computer simulation of loading scenarios are required. The authors have developed a novel method incorporating subject studies, magnetic resonance imaging, 3D-CAD-reconstruction, continuum mechanics, material theory and the finite element method. The focus is laid upon the mechanical in vivo-characterization of human soft tissue, which is indispensable for simulating its mechanical interaction with, for example, medical bedding or automotive and airplane seating systems. Using the examples of arbitrary body support systems, the presented approach

provides visual insight into simulated internal mechanical body tissue stress and strain, with the goal of biomechanical optimization of body support systems. This book is intended for engineers, manufacturers and physicians and also provides students with guidance in solving problems related to support system optimization.