1.	Record Nr.	UNINA9910437843903321
	Autore	Miftahof Roustem
	Titolo	Biomechanics of the human urinary bladder / / R. N. Miftahof, Hong Gil Nam
	Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2013
	ISBN	3-642-36146-3
	Edizione	[1st ed. 2013.]
	Descrizione fisica	1 online resource (187 p.)
	Altri autori (Persone)	NamHong Gil
	Disciplina	612.4/673 612.4673
	Soggetti	Bladder - Mechanical properties Bladder - Histology
	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	The Bladder as a Dynamic System -- Investigations into Biomechanics of the Bladder -- Geometry of Thin Shells -- Essentials of the Theory of Soft Shells -- Continual Model of the Detrusor -- A Model of the Detrusor Fasciculus -- The Intrinsic Regulatory Pathways -- The Synaptic Transmission -- Pharmacology of Detrusor Activity -- Human Urinary Bladder as a Soft Biological Shell -- Challenges in Human Urinary Bladder Mechanics.
	Sommario/riassunto	As a research subject, the biomechanics of the urinary bladder are relatively young, yet medical problems associated with them are as old as mankind. Offering an update on recent achievements in the field, the authors highlight the underlying biological, chemical and physical processes of bladder function and present the systematic development of a mathematical model of the organ as a thin, soft biological shell. The book will be a valuable resource for postgraduate students and researchers interested in the applications of computational mathematics and solid mechanics to modern problems in biomedical engineering and medicine.

2. Record Nr.	UNINA9910151705603321
Autore	Robinson E. Arthur <1955-, >
Titolo	The mathematics of politics / / E. Arthur Robinson, Jr., George Washington University Washington, D.C., USA; Daniel H. Ullman, George Washington University Washington, D.C., USA
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2017] ©2017
ISBN	1-4987-9890-X 1-315-36667-3 1-4987-9888-8
Edizione	[Second edition.]
Descrizione fisica	1 online resource (478 pages) : illustrations
Disciplina	320.01/513
Soggetti	Political science - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Chapman & Hall book."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	I. Voting -- II. Apportionment -- III. Conflict -- IV. The electoral college.
Sommario/riassunto	It is because mathematics is often misunderstood, it is commonly believed it has nothing to say about politics. The high school experience with mathematics, for so many the lasting impression of the subject, suggests that mathematics is the study of numbers, operations, formulas, and manipulations of symbols. Those believing this is the extent of mathematics might conclude mathematics has no relevance to politics. This book counters this impression. The second edition of this popular book focuses on mathematical reasoning about politics. In the search for ideal ways to make certain kinds of decisions, a lot of wasted effort can be averted if mathematics can determine that finding such an ideal is actually impossible in the first place. In the first three parts of this book, we address the following three political questions: (1) Is there a good way to choose winners of elections? (2) Is there a good way to apportion congressional seats? (3) Is there a good way to make decisions in situations of conflict and uncertainty? In the fourth and final part of this book, we examine the Electoral College system that is used in the United States to select a president. There we

bring together ideas that are introduced in each of the three earlier parts of the book.