1.	Record Nr.	UNINA9910465887203321
	Autore	Dye Heather A.
	Titolo	An Invitation to Knot Theory : Virtual and Classical / / by Heather A. Dye
	Pubbl/distr/stampa	Boca Raton, FL : , : Chapman and Hall/CRC, , [2018] ©2016
	ISBN	1-315-36238-4 1-315-37075-1 1-4987-9861-6 1-4987-0165-5
	Edizione	[First edition.]
	Descrizione fisica	1 online resource (285 pages) : illustrations, tables
	Disciplina	514/.2242
	Soggetti	Knot theory Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references at the end of each chapters.
	Nota di contenuto	Knots and crossingsVirtual knots and links CURVES IN THE PLANE VIRTUAL LINKS ORIENTED VIRTUAL LINK DIAGRAMS -- Linking invariants CONDITIONAL STATEMENTS WRITHE AND LINKING NUMBER DIFFERENCE NUMBER CROSSING WEIGHT NUMBERS -- A multiverse of knots FLAT AND FREE LINKS WELDED, SINGULAR, AND PSEUDO KNOTS NEW KNOT THEORIES -- Crossing invariants CROSSING NUMBERS UNKNOTTING NUMBERS UNKNOTTING SEQUENCE NUMBERS -- Constructing knots SYMMETRY TANGLES, MUTATION, AND PERIODIC LINKS PERIODIC LINKS AND SATELLITE KNOTS -- Knot polynomialsThe bracket polynomial THE NORMALIZED KAUFFMAN BRACKET POLYNOMIAL THE STATE SUM THE IMAGE OF THE F-POLYNOMIAL-- Surfaces SURFACES CONSTRUCTIONS OF VIRTUAL LINKS GENUS OF A VIRTUAL LINK -- Bracket polynomial II STATES AND THE BOUNDARY PROPERTY PROPER STATES DIAGRAMS WITH ONE VIRTUAL CROSSING -- The checkerboard framing CHECKERBOARD FRAMINGS CUT POINTS EXTENDING THE KAUFFMAN-MURASUGI-THISTLETHWAITE THEOREM-- Modifications of the bracket polynomial THE FLAT BRACKET THE ARROW POLYNOMIAL VASSILIEV INVARIANTS -- Algebraic

structuresQuandles TRICOLORING QUANDLES KNOT QUANDLES -- Knots and quandles A LITTLE LINEAR ALGEBRA AND THE TREFOIL THE DETERMINANT OF A KNOT THE ALEXANDER POLYNOMIAL THE FUNDAMENTAL GROUP -- Biquandles THE BIQUANDLE STRUCTURE THE GENERALIZED ALEXANDER POLYNOMIAL -- Gauss diagrams GAUSS WORDS AND DIAGRAMS PARITY AND PARITY INVARIANTS CROSSING WEIGHT NUMBER -- Applications QUANTUM COMPUTATION TEXTILES -- Appendix A: Tables Appendix B: References by Chapter-- Open problems and projects appear at the end of each chapter.

Sommario/riassunto	The Only Undergraduate Textbook to Teach Both Classical and Virtual Knot Theory. An Invitation to Knot Theory: Virtual and Classical gives advanced undergraduate students a gentle introduction to the field of virtual knot theory and mathematical research. It provides the foundation for students to research knot theory and read journal articles on their own. Each chapter includes numerous examples, problems, projects, and suggested readings from research papers. The proofs are written as simply as possible using combinatorial approaches, equivalence classes, and linear algebra. The text begins with an introduction to virtual knots and counted invariants. It then covers the normalized f-polynomial (Jones polynomial) and other skein invariants before discussing algebraic invariants, such as the quandle and biquandle. The book concludes with two applications of virtual knots: textiles and quantum computation.

2.

Record Nr.	UNINA9910779606603321
Titolo	Progress in financial markets research [[electronic resource] /] / Catherine Kyrtsou and Costas Vorlow, editors
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, c2012
ISBN	1-61324-765-6
Descrizione fisica	1 online resource (370 p.)
Collana	Financial institutions and services
Altri autori (Persone)	KyrtsouCatherine VorlowCostas
Disciplina	332.072
Soggetti	Finance - Research
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.