1.	Record Nr.	UNINA9910300248303321
	Autore	Lakshmikantham Vangipuram
	Titolo	Stability Analysis of Nonlinear Systems / / by Vangipuram Lakshmikantham, Srinivasa Leela, Anatoly A. Martynyuk
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2015
	ISBN	3-319-27200-4
	Edizione	[2nd ed. 2015.]
	Descrizione fisica	1 online resource (339 p.)
	Collana	Systems & Control: Foundations & Applications, , 2324-9749
	Disciplina	510
	Soggetti	Dynamics Ergodic theory System theory Dynamical Systems and Ergodic Theory Systems Theory, Control
	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	Preface to the Second Edition -- Preface -- 1 Inequalities -- 2 Variation of parameters and monotone technique -- 3 Stability of Motion in Terms of Two Measures -- 4 Stability of perturbed motion -- 5 Models of Real World Phenomena. .
	Sommario/riassunto	The book investigates stability theory in terms of two different measure, exhibiting the advantage of employing families of Lyapunov functions and treats the theory of a variety of inequalities, clearly bringing out the underlying theme. It also demonstrates manifestations of the general Lyapunov method, showing how this technique can be adapted to various apparently diverse nonlinear problems. Furthermore it discusses the application of theoretical results to several different models chosen from real world phenomena, furnishing data that is particularly relevant for practitioners. Stability Analysis of Nonlinear Systems is an invaluable single-sourse reference for industrial and applied mathematicians, statisticians, engineers, researchers in the applied sciences, and graduate students studying differential equations.

2.

Record Nr.	UNINA9910999674203321
Titolo	Computer-Based Diagnostics and Systematic Analysis of Knowledge : Critical Reflections and Advancements / / edited by Pablo Pirnay-Dummer, Dirk Ifenthaler
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-87740-3
Edizione	[2nd ed. 2025.]
Descrizione fisica	1 online resource (X, 260 p. 36 illus., 14 illus. in color.)
Collana	Advances in Analytics for Learning and Teaching, , 2662-2130
Disciplina	371.26
Soggetti	Educational tests and measurements
	Educational technology
	Study skills
	Assessment and Testing
	Digital Education and Educational Technology
	Study and Learning Skills
	Tecnologia educativa
	Avaluació educativa
	Tests i proves en educació
	Mètodes d'estudi
	Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1: Conceptual Perspectives Chapter 1: On The Process, Use And Methodological Challenges Of Assessing Knowledge -- Chapter 2: Framing Knowledge As Conceptual Structure -- Chapter 3: Knowledge In The Era Of Artificial Intelligence -- Chapter 4: A Framework For Data-Driven Computer-Based Diagnostics Of Competencies And Capabilities Across Contexts -- Part 2: Applied Perspectives -- Chapter 5: T-MITOCAR. An Epistemological Approach To Assessing Artifacts Of Knowledge -- Chapter 6: Designing Effective Technologies to Support Self-Regulated Strategies Development for Writing -- Chapter 7: Sequential Pattern Mining On Cyber Ranges For A Computer-Based Diagnostic Of Cybersecurity Skills -- Chapter 8: Tracking Competency

Development In Highly Interactive Digital Learning Environments -- Chapter 9: Modeling Creativity In Education. Assessing Creativity In Students Scratch Projects: A Study On Human-AI Collaboration For Creativity Assessment -- Chapter 10: The Next Level In Personalized Learning: Adaptation Of Educational Chatbots To Students' Individual Learning -- Chapter 11: Technology-Enhanced Feedback In K-12 Schools: Utilizing T-MITOCAR For Knowledge Artifact And Feedback -- Chapter 12: Bridging The Gap Between Math Formalism And Natural Language.

| Sommario/riassunto | This volume explores the rapidly advancing field of technology-supported knowledge assessment. Across academia, research on learning and instruction, AI-based analysis, psychology, and education, there is a pressing need for a comprehensive collection of foundations and methodologies related to knowledge. While the market offers books on individual and locally developed methods, a holistic overview is currently lacking. It aims to fill that gap, inspiring projects globally and benefiting knowledge-intensive developments in both digital and traditional learning environments. Understanding the state and processes of knowledge often poses a bottleneck in the quality of designs and implementations. This book addresses this challenge by focusing on mostly automated, easy-to-implement strategies, supporting the crucial task of understanding knowledge. |