1. Record Nr. UNINA9910136644303321

Autore	Patteson Thomas
Titolo	Instruments for New Music : Sound, Technology, and Modernism / / Thomas Patteson
Pubbl/distr/stampa	University of California Press, 2015 Berkeley, CA : , : University of California Press, , [2015] ©2015
ISBN	9780520963122 0520963121
Descrizione fisica	1 online resource (250 p.)
Disciplina	784.1909/04
Soggetti	Civil engineering Communication Electronic musical instruments - History Engineering Mass media Music and technology - History Music - Philosophy and aesthetics Musical instruments MUSIC / History & Criticism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Contents -- Illustrations -- Acknowledgments -- 1. Listening to Instruments -- 2. "The Joy of Precision": Mechanical Instruments and the Aesthetics of Automation -- 3. "The Alchemy of Tone": Jörg Mager and Electric Music -- 4. "Sonic Handwriting": Media Instruments and Musical Inscription -- 5. "A New, Perfect Musical Instrument": The Trautonium and Electric Music in the 1930s -- 6. The Expanding Instrumentarium -- Notes -- Bibliography -- Index
Sommario/riassunto	A free ebook version of this title is available through Luminos, University of California Press's new open access publishing program for monographs. Visit www.luminosoa.org to learn more. Player pianos, radio-electric circuits, gramophone records, and optical sound film-

	these were the cutting-edge acoustic technologies of the early twentieth century, and for many musicians and artists of the time, these devices were also the implements of a musical revolution. Instruments for New Music traces a diffuse network of cultural agents who shared the belief that a truly modern music could be attained only through a radical challenge to the technological foundations of the art. Centered in Germany during the 1920s and 1930s, the movement to create new instruments encompassed a broad spectrum of experiments, from the exploration of microtonal tunings and exotic tone colors to the ability to compose directly for automatic musical machines. This movement comprised composers, inventors, and visual artists, including Paul Hindemith, Ernst Toch, Jörg Mager, Friedrich Trautwein, László Moholy-Nagy, Walter Ruttmann, and Oskar Fischinger. Patteson's fascinating study combines an artifact-oriented history of new music in the early twentieth century with an astute revisiting of still-relevant debates about the relationship between technology and the arts.

2.	Record Nr.	UNINA9910887802603321
	Autore	Maas Jan
	Titolo	Optimal Transport on Quantum Structures / / edited by Jan Maas, Simone Rademacher, Tamás Titkos, Dániel Virosztek
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
	ISBN	3-031-50466-6
	Edizione	[1st ed. 2024.]
	Descrizione fisica	1 online resource (327 pages)
	Collana	Bolyai Society Mathematical Studies, , 2947-9460 ; ; 29
	Altri autori (Persone)	RademacherSimone TitkosTamás VirosztekDániel
	Disciplina	530.12015196
	Soggetti	Mathematics Mathematical analysis Global analysis (Mathematics) Manifolds (Mathematics) Measure theory Analysis Global Analysis and Analysis on Manifolds Measure and Integration Optimització matemàtica Teoria quàntica Llibres electrònics

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Chapter 1. An Introduction to Optimal Transport and Wasserstein Gradient Flows by Alessio Figalli -- Chapter 2. Dynamics and Quantum Optimal Transport:Three Lectures on Quantum Entropy and Quantum Markov Semigroups by Eric A. Carlen -- Chapter 3. Quantum Couplings and Many-body Problems by Francois Golse -- Chapter 4. Quantum Channels and Qubits by Giacomo De Palma and Dario Trevisan -- Chapter 5. Entropic Regularised Optimal Transport in a Noncommutative Setting by Lorenzo Portinale -- Chapter 6. Logarithmic Sobolev Inequalities for Finite Dimensional Quantum Markov Chains by Cambyse Rouzé.
Sommario/riassunto	The flourishing theory of classical optimal transport concerns mass transportation at minimal cost. This book introduces the reader to optimal transport on quantum structures, i.e., optimal transportation between quantum states and related non-commutative concepts of mass transportation. It contains lecture notes on classical optimal transport and Wasserstein gradient flows dynamics and quantum optimal transport quantum couplings and many-body problems quantum channels and qubits These notes are based on lectures given by the authors at the "Optimal Transport on Quantum Structures" School held at the Erdös Center in Budapest in the fall of 2022. The lecture notes are complemented by two survey chapters presenting the state of the art in different research areas of non-commutative optimal transport.