1. Record Nr. UNISALENTO991000844879707536

Autore	Meinel, Aden B.
Titolo	Catalogue of emission lines in astrophysical objects / Aden B. Meinel, Anthony F. Aveni, Martha W. Stockton
Pubbl/distr/stampa	Tucson : Optical Sciences Center and Steward Observatory, 1969
Descrizione fisica	1 v. (paginaz. seriale) ; 28 cm.
Classificazione	52.9.5(08)
Altri autori (Persone)	Aveni, Anthony F. Stockton, Martha W.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910811911703321

Titolo	Diffusion, quantum theory, and radically elementary mathematics / / edited by William G. Faris
Pubbl/distr/stampa	Princeton, New Jersey ; ; Oxfordshire, England : , : Princeton University Press, , 2006 ©2006
ISBN	1-4008-6525-5
Descrizione fisica	1 online resource (257 p.)
Collana	Mathematical Notes ; ; 47
Classificazione	33.65
Disciplina	530.15
Soggetti	Mathematical physics Diffusion Quantum theory
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	Front matter -- Contents -- Preface -- Chapter One. Introduction:

Diffusive Motion and Where It Leads / Faris, William G. -- Chapter Two. Hypercontractivity, Logarithmic Sobolev Inequalities, and Applications: A Survey of Surveys / Gross, Leonard -- Chapter Three. Ed Nelson's Work in Quantum Theory / Simon, Barry -- Chapter Four Symanzik, Nelson, and Self-Avoiding Walk / Brydges, David C. -- Chapter Five. Stochastic Mechanics: A Look Back and a Look Ahead / Carlen, Eric -- Chapter Six. Current Trends in Optimal Transportation: A Tribute to Ed Nelson / Villani, Cédric -- Chapter Seven. Internal Set Theory and Infinitesimal Random Walks / Lawler, Gregory F. -- Chapter Eight. Nelson's Work on Logic and Foundations and Other Reflections on the Foundations of Mathematics / Buss, Samuel R. -- Chapter Nine. Some Musical Groups: Selected Applications of Group Theory in Music / Hook, Julian -- Chapter Ten. Afterword / Nelson, Edward -- Appendix A. Publications by Edward Nelson -- Index

Sommario/riassunto

Diffusive motion--displacement due to the cumulative effect of irregular fluctuations--has been a fundamental concept in mathematics and physics since Einstein's work on Brownian motion. It is also relevant to understanding various aspects of quantum theory. This book explains diffusive motion and its relation to both nonrelativistic quantum theory and quantum field theory. It shows how diffusive motion concepts lead to a radical reexamination of the structure of mathematical analysis. The book's inspiration is Princeton University mathematics professor Edward Nelson's influential work in probability, functional analysis, nonstandard analysis, stochastic mechanics, and logic. The book can be used as a tutorial or reference, or read for pleasure by anyone interested in the role of mathematics in science. Because of the application of diffusive motion to quantum theory, it will interest physicists as well as mathematicians. The introductory chapter describes the interrelationships between the various themes, many of which were first brought to light by Edward Nelson. In his writing and conversation, Nelson has always emphasized and relished the human aspect of mathematical endeavor. In his intellectual world, there is no sharp boundary between the mathematical, the cultural, and the spiritual. It is fitting that the final chapter provides a mathematical perspective on musical theory, one that reveals an unexpected connection with some of the book's main themes.

3. Record Nr. UNINA9910557697903321

Autore	Castiglioni Bianca
Titolo	Genetics of Animal Health and Disease in Livestock
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (188 p.)
Soggetti	Research & information: general Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Wood surface attributes can be established by examining its several different physical or chemical properties. Differences in the wood surfaces occur between the manufacturing and post-treatment processes as well. Understanding how their unique anisotropic molecular organization, chemical linkages, branching, and other molecular features govern micro- and macroscale accessibility is essential for coating and complex modification processes. It is therefore important for scientific as well as practical reasons to qualify and quantify the effects of wood surface treatments and modifications. Challenges still exist to fully understanding the effect of the numerous applied chemicals and the wide range of treatment processes on wood surfaces.