

1. Record Nr.	UNINA9911095342203321
Autore	Ford Kenneth William <1926->
Titolo	101 quantum questions : what you need to know about the world you can't see / / Kenneth W. Ford
Pubbl/distr/stampa	Cambridge, Mass. : , : Harvard University Press, , 2011
ISBN	0-674-06093-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xi, 291 pages) : illustrations
Disciplina	530.12 \$2 22
Soggetti	Quantum theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The subatomic world -- Digging deeper -- The small and the swift -- Quantum lumps and quantum jumps -- Atoms and nuclei -- And more about nuclei -- Particles -- And more particles -- Interactions -- Constancy during change -- Waves and particles -- Waves and probability -- Quantum physics and technology -- Quantum physics at every scale -- Frontiers and puzzles.
Sommario/riassunto	This reader-friendly, richly illustrated book provides an engaging overview of quantum physics, from "big ideas" like probability and uncertainty and conservation laws to the behavior of quarks and photons and neutrinos, and on to explanations of how a laser works and why black holes evaporate.

2. Record Nr.	UNINA9911148195903321
Autore	Heidersdorf Thorsten
Titolo	Cohomological Tensor Functors on Representations of the General Linear Supergroup
Pubbl/distr/stampa	Providence : , : American Mathematical Society, , 2021 ©2021
ISBN	9781470465285 1470465280
Edizione	[1st ed.]
Descrizione fisica	1 online resource (118 pages)
Collana	Memoirs of the American Mathematical Society ; ; v.270
Classificazione	17B1017B2017B5518D1020G05
Altri autori (Persone)	Weissauer Rainer
Disciplina	512/.57
Soggetti	Tensor algebra Tensor products Nonassociative rings and algebras -- Lie algebras and Lie superalgebras -- Representations, algebraic theory (weights) Nonassociative rings and algebras -- Lie algebras and Lie superalgebras -- Simple, semisimple, reductive (super)algebras Nonassociative rings and algebras -- Lie algebras and Lie superalgebras -- Homological methods in Lie (super)algebras Category theory; homological algebra -- Categories with structure -- Monoidal categories (= multiplicative categories), symmetric monoidal categories, braided categories Group theory and generalizations -- Linear algebraic groups and related topics -- Representation theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover -- Title page -- Chapter 1. Introduction -- Chapter 2. Cohomological Tensor Functors -- 2.1. The superlinear groups -- 2.2. The Duflo-Serganova functor -- 2.3. Cohomology functors -- 2.4. Support varieties and the kernel of -- 2.5. The tensor functor -- 2.6. The relation between $(\)$ and $(\)$ -- 2.7. Hodge decomposition -- 2.8. The case ≥ 1 -- 2.9. Boundary maps -- 2.10. Highest weight modules -- 2.11. The Casimir -- Chapter 3. The Main Theorem and its Proof -- 3.1. The language of Brundan and Stroppel -- 3.2. On segments, sectors and plots -- 3.3. Mixed tensors and ground states -- 3.4. Sign normalizations -- 3.5. The main theorem -- 3.6. Strategy

of the proof -- 3.7. Modules of Loewy length 3 -- 3.8. Inductive Control over -- 3.9. Moves -- Chapter 4. Consequences of the Main Theorem -- 4.1. Tannaka Duals -- 4.2. Cohomology I -- 4.3. Cohomology II -- 4.4. Cohomology III -- 4.5. The forest formula -- 4.6. $\mathfrak{sl}_n$ -module structure on the cohomology $H^i(\mathfrak{sl}_n, \mathfrak{sl}_n)$ -- 4.7. Primitive elements of $H^i(\mathfrak{sl}_n, \mathfrak{sl}_n)$ (1) -- 4.8. Kac module of 1 -- 4.9. Strict morphisms -- 4.10. The module $H^i(\mathfrak{sl}_n, \mathfrak{sl}_n)$ -- 4.11. The basic hook representations -- Bibliography -- Back Cover.

Sommario/riassunto

"We define and study cohomological tensor functors from the category $\mathcal{T}_n$ of finite-dimensional representations of the supergroup for the image of an arbitrary irreducible representation. In particular $\mathcal{DS}(L)$ is semisimple and multiplicity free. We derive a few applications of this theorem such as the degeneration of certain spectral sequences and a formula for the modified superdimension of an irreducible representation"--
