

1. Record Nr.	UNIBAS000012539
Autore	Aristoteles <384-322 a.C.>
Titolo	The Physics : in two volumes / Aristotle ; with an English translation by Philip H. Wicksteed and Francis M. Cornford
Pubbl/distr/stampa	Cambridge, Massachusetts : Harvard University Press London : <<William>> Heinemann, 1980
Titolo uniforme	Physica / Aristoteles
ISBN	0-674-99251-2 0-434-99228-3 0-674-99281-4 0-434-99255-0
Descrizione fisica	2 volumi ; 17 cm
Collana	The Loeb classical library
Disciplina	185
Lingua di pubblicazione	Inglese Greco antico
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Traduzione inglese con testo greco a fronte
Nota di contenuto	Vol. I: Books I-IV. - XCIV, 427 p. Vol. II: Books V-VIII. - XII, 439 p.

2. Record Nr.	UNINA9910865243403321
Autore	Stefanucci Gianluca
Titolo	Quantum Mechanics for Material Science : An Introduction // by Gianluca Stefanucci
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031601712 9783031601705
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (241 pages)
Disciplina	530.1202462011
Soggetti	Quantum theory Materials science Atoms Molecules Quantum Physics Materials Science Atoms and molecules in external fields
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. The fundamental concepts of quantum mechanics -- Chapter 2. Quantum systems in finite-dimensional Hilbert spaces 35 -- Chapter 3. A particle in one dimension -- Chapter 4. A particle in three dimensions -- Chapter 5. Spin and angular momentum composition -- Chapter 6. Approximation methods -- Appendix A: Dirac delta: definition and properties -- Appendix B: Levi-Civita tensor: definition and properties -- Appendix C: Euler range: definition and properties.
Sommario/riassunto	This book is based on the course "Elements of Theoretical Physics," which the author has been teaching at the University of Rome Tor Vergata since 2017. It serves as an introduction to quantum mechanics, providing students with essential concepts and tools for future lessons, while still maintaining a comprehensive approach without relying heavily on the level of abstraction and mathematical rigor typically found in Physics programs. Understanding this book only requires knowledge of the mathematical concepts taught in the first two years of basic courses. The bachelor's degree program in Materials Science aims

to train students with an interdisciplinary background in physics, chemistry, and engineering. While the study of quantum mechanics is essential, the same level of depth, abstraction, and mathematical rigor as in a Physics degree program is not a requirement. Unfortunately, most textbooks on Quantum Mechanics are geared toward Physics students, making it difficult to find suitable resources for Materials Science students. To make learning easier, the author has chosen not to refer students to various textbooks for different topics. Instead, he has created handouts that have evolved into a condensed textbook on quantum mechanics specifically tailored to the needs of the Materials Science program.

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