

1. Record Nr.	UNINA9910455376603321
Titolo	Acute exposure guideline levels for selected airborne chemicals . Volume 7 [[electronic resource] /] / Committee on Acute Exposure Guideline Levels, Committee on Toxicology, Board on Environmental Studies and Toxicology, Division on Earth and Life Studies, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, 2009
ISBN	1-282-23921-X 9786612239212 0-309-12756-4
Descrizione fisica	1 online resource (251 p.)
Collana	Acute exposure guideline levels for selected airborne chemicals
Disciplina	615.9
Soggetti	Hazardous substances - Environmental aspects Hazardous substances - Health aspects Pollution - Environmental aspects Pollution - Physiological effect Pollution - Health aspects Chemicals - Physiological effect Chemicals - Health aspects Air quality management Toxicology Electronic books.
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.
Nota di contenuto	""Preface""; ""Contents""; ""National Research Council Committee Review of Acute Exposure Guideline Levels for Selected Airborne Chemicals""; ""Roster of the National Advisory Committee for Acute Exposure Guideline Levels for Hazardous Substances""; ""1 Acetone Cyanohydrin""; ""APPENDIX A DERIVATION OF AEGL VALUES FOR ACETONE CYANOHYDRIN""; ""2 Carbon Disulfide""; ""APPENDIX B ACUTE EXPOSURE GUIDELINES FOR CARBON DISULFIDE""; ""3 Monochloroacetic Acid""; ""APPENDIX A TIME-SCALING CALCULATIONS FOR AEGLS""; ""4

2. Record Nr.	UNINA9910568273503321
Autore	Wojcieszyn Filip
Titolo	Introduction to Quantum Computing with Q# and QDK // by Filip Wojcieszyn
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783030993795 9783030993788
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (xvi, 280 pages) : illustrations (some color)
Collana	Quantum Science and Technology, , 2364-9062
Disciplina	006.3843
Soggetti	Quantum computers Quantum computing Microsoft software Microsoft .NET Framework Programming languages (Electronic computers) Mathematics - Data processing Quantum Computing Quantum Information Microsoft Programming Language Computational Mathematics and Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Historical Background -- Basics of Quantum Mechanics -- Getting Started with QDK and Q# -- Quantum Computing -- Entanglement -- Quantum Key Distribution -- Algorithms -- Where to go next?.
Sommario/riassunto	This book introduces the fundamentals of the theory of quantum computing, illustrated with code samples written in Q#, a quantum-specific programming language, and its related Quantum Development Kit. Quantum computing (QC) is a multidisciplinary field that sits at the intersection of quantum physics, quantum information theory,

computer science and mathematics, and which may revolutionize the world of computing and software engineering. The book begins by covering historical aspects of quantum theory and quantum computing, as well as offers a gentle, algebra-based, introduction to quantum mechanics, specifically focusing on concepts essential for the field of quantum programming. Quantum state description, state evolution, quantum measurement and the Bell's theorem are among the topics covered. The readers also get a tour of the features of Q# and familiarize themselves with the QDK. Next, the core QC topics are discussed, complete with the necessary mathematical formalism. This includes the notions of qubit, quantum gates and quantum circuits. In addition to that, the book provides a detailed treatment of a series of important concepts from quantum information theory, in particular entanglement and the no-cloning theorem, followed by discussion about quantum key distribution and its various protocols. Finally, the canon of most important QC algorithms and algorithmic techniques is covered in-depth - from the Deutsch-Jozsa algorithm, through Grover's search, to Quantum Fourier Transform, quantum phase estimation and Shor's algorithm. The book is an accessible introduction into the vibrant and fascinating field of quantum computing, offering a blend of academic diligence with pragmatism that is so central to software development world. All of the discussed theoretical aspects of QC are accompanied by runnable code examples, providing the reader with two different angles - mathematical and programmatic - of looking at the same problem space. .

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