

Quantum Mechanics in Everyday Life

By Dr. Wilton L. Virgo PhD

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Quantum mechanics is the mathematical foundation for chemistry and physics on the microscopic scale. The energies and interactions between atoms and molecules can be described using the mathematics of matrices and quantized angular momentum. The seemingly esoteric mathematical language and quantum behavior of atoms and molecules have directly led to modern technology such as compact fluorescent bulbs, lasers, the global positioning system (GPS) and magnetic resonance imaging (MRI). Quantum Mechanics in Everyday Life provides an introduction to the language of quantum and leads the reader to a deeper understanding of familiar, widely-used technology at the atomic and molecular level.

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Editorial Review

From the Back Cover
[Quantum Mechanics in Everyday Life] is remarkably lucid and friendly ... weaving in practical "real-life" applications works beautifully. [Dr. Virgo's] "little green book" ought to become a classic, making QM accessible to a host of students.

-Harvard University Emeritus Professor Dudley Herschbach, Chemistry Nobel Laureate

About the Author
Wilton L. Virgo, PhD is a quantum physical chemist with more than 10 years of expertise in performing state-of-the-art research in laser spectroscopy and molecular theory at Princeton University, Brookhaven National Laboratory, Arizona State University, MIT, Wellesley College and Harvard University. He has shaped the forefront of science education using cutting-edge technology. His first book, “Quantum Mechanics in Everyday Life” (http://www.quantumeveryday.com), is an example of his ability to simplify complex ideas for audiences with little or no background in science. The book introduces the mathematical foundation of quantum physics as the basis for modern technology that we use every day, such as GPS and our high-speed telecommunications system. In order to engage young students using smart device technology, Dr. Virgo wrote “The Equations of Chemistry”, an interactive, multi-touch ebook designed to bring the mathematics of chemistry alive on the iPad for students. Dr. Virgo’s work as a host and narrator of “Chemistry: Challenges and Solutions”, a visual MOOC produced by Harvard-Smithsonian and the Annenberg Foundation, demonstrates his ability to effectively communicate science in simple language with advanced graphics and animation.

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Oh come on its mind hangout guys. What? Still don't have it, oh come on its identified as reading friends.

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