

encyclopedia of quantum mechanics pdf

Quantum mechanics is the science of the very small. It explains the behavior of matter and its interactions with energy on the scale of atoms and subatomic particles. By contrast, classical physics only explains matter and energy on a scale familiar to human experience, including the behavior of astronomical bodies such as the Moon. Classical physics is still used in much of modern science and ...

Introduction to quantum mechanics - Wikipedia

Quantum mechanics (QM) is the part of physics that tells how the things that make up atoms work. QM also tells how electromagnetic waves (like light) work. It is also called "quantum physics" or "quantum theory". QM is a mathematical framework (rules written in maths) for much of modern physics and chemistry. Quantum mechanics helps make sense of the smallest things in nature like protons ...

Quantum mechanics - Simple English Wikipedia, the free

The history of quantum mechanics is a fundamental part of the history of modern physics. Quantum mechanics' history, as it interlaces with the history of quantum chemistry, began essentially with a number of different scientific discoveries: the 1838 discovery of cathode rays by Michael Faraday; the 1859–60 winter statement of the black-body radiation problem by Gustav Kirchhoff; the 1877 ...

History of quantum mechanics - Wikipedia

The Many-Worlds Interpretation (MWI) of quantum mechanics holds that there are many worlds which exist in parallel at the same space and time as our own. The existence of the other worlds makes it possible to remove randomness and action at a distance from quantum theory and thus from all physics ...

Many-Worlds Interpretation of Quantum Mechanics (Stanford

It has sometimes been suggested that quantum phenomena exhibit a characteristic holism or nonseparability, and that this distinguishes quantum from classical physics.

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