

The Unquantum Effect

Resolving the Wave-Particle Paradox

OVERVIEW

Wave-particle duality is the most disturbing problem in the history of physics. It has been a problem since Einstein's light quantum hypothesis of 1905. Waves and particles are mutually exclusive ideas. We had a paradox. A paradox is something that is contradictory, yet seems to be true. A solution to this problem implies the possibility of a totally understandable world.

This book is a collection of dated chapters with additions and editing. There is repeated material among some chapters. *An Understanding of the Particle-like Property of Light and Charge* (2001) is the most difficult, but may be the most important. It predicts experiments that were later confirmed. *A Serious Challenge to Quantization* (2003) shows the search, discovery, and development of the *unquantum effect*. It also describes my in depth search for artifact, not described in the other chapters. The chapter *Exposure of Physics Misconceptions* contains ample evidence that data and ideas were distorted to make people think quantum mechanics must be right. *Photon Violation Spectroscopy* (2005) describes the perfected experiment, and links *the unquantum effect* to physical variables to show how it all makes sense. This chapter repeats material from previous chapters. *Particle Violation Spectroscopy* demonstrates the *unquantum effect* for matter waves.

The *Spectroscopy* chapters were originally patent applications and are archived at www.uspto.gov. After several attempts to publish in mainstream scientific journals, I was compelled to develop the *unquantum effect* into methods of measurement useful in material science. The arguments from both sides are on the USPTO PAIR website for history to witness their corruption. For example: I gave them 20 experiments worth of data, and they essentially told me there was no data. A granted patent was never necessary. By filing at the USPTO, my work becomes published and dated. Mainstream journals, including the patent office, are controlled by people invested in photons, and they are not about to publish something that makes them look bad.

Although the new physics presented here does embrace quantized emission, currently accepted physics calls for matter and energy to be quantized for both absorption and emission. Here, that generality has been experimentally defied, justifying the *unquantum* term. The *unquantum effect* shows that absorption can be continuous and does not always occur quantized.

Many have written that there must be something wrong with quantum mechanics. However, quantum mechanics remained strong because no one came up with an experiment to defy its predictions. I expose experimental, theoretical and historical distortions that have confused physics for 100 years. In addition to revealing an incredible new physics, this book corrects what seems like the most profound collective intellectual blunder that ever happened.

Eric S Reiter, April 2012

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