



# Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy)

*Michael Epperson*

Download now

[Click here](#) if your download doesn't start automatically

# Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy)

Michael Epperson

**Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy)** Michael Epperson

In *Process and Reality* and other works, Alfred North Whitehead struggled to come to terms with the impact the new science of quantum mechanics would have on his metaphysics. This ambitious book is the first extended analysis of the intricate relationships between quantum mechanics and Whitehead's philosophical cosmology.

Moving systematically--concept by concept, phase by phase--Michael Epperson illuminates the intersection of science and philosophy in Whitehead's work, and details Whitehead's attempt to fashion an ontology capable of coherently accommodating the current and future trajectory of modern physics.

But going far beyond this exploration, Epperson also makes important new contributions to the conceptualization of Whitehead's theory of quantum events ('actual occasions'), addressing the considerable attention paid by philosophers and other scholars to Nature's fundamentally quantum character as described by modern physics.

---

"Quantum mechanics is one of the empirically best confirmed physical theories ever. Moreover, it has been and still is an important instrument in planning and evaluating new experiments in many areas of physics and an indispensable tool for the development of new technologies. However, despite its extremely wide and successful range of application, some important questions concerning its proper interpretation are still not settled. In this context one of the most important questions is clearly to which ontology quantum mechanics gives rise, i.e., of what kinds of fundamental entities the world probably consists (e.g. particles, fields, events, processes, spacetime regions/points, etc.), if one assumes that quantum mechanics is telling us a true story about the world.

"Epperson has done a wonderful job in showing what one of the most detailed (and surely, one of the most difficult) metaphysical theories of the 20th century--Whitehead's philosophy of process--contributes to the ongoing debate about the proper ontological interpretation of quantum mechanics. Therefore, the book is highly recommended to anybody working on or being seriously interested in the ontology of quantum physics. Moreover, it is a "must read" for students of Whitehead's philosophy, since it will deepen their understanding of Whitehead's quite abstract scheme, to see quantum mechanics as a specific exemplification of some of the central structures of the philosophy of process."

Frank Hättich - *Studies in History and Philosophy of Modern Physics*

---

Including a nonspecialist introduction to quantum mechanics, Epperson adds an essential new dimension to our understanding of the architecture and meaning of Whitehead's metaphysics--and of the constantly enriching encounter between science and philosophy in our century.

 [Download Quantum Mechanics and the Philosophy of Alfred North Wh ...pdf](#)

 [Read Online Quantum Mechanics and the Philosophy of Alfred North ...pdf](#)

**Download and Read Free Online Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) Michael Epperson**

---

## **Download and Read Free Online Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) Michael Epperson**

---

### **From reader reviews:**

#### **Robert Delaney:**

In this 21st hundred years, people become competitive in every single way. By being competitive at this point, people have do something to make these people survives, being in the middle of the actual crowded place and notice by means of surrounding. One thing that occasionally many people have underestimated that for a while is reading. Yep, by reading a reserve your ability to survive increase then having chance to stand than other is high. In your case who want to start reading a new book, we give you that Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) book as beginner and daily reading book. Why, because this book is more than just a book.

#### **Ruth Haddock:**

Reading a publication can be one of a lot of activity that everyone in the world likes. Do you like reading book so. There are a lot of reasons why people like it. First reading a guide will give you a lot of new information. When you read a reserve you will get new information due to the fact book is one of a number of ways to share the information or maybe their idea. Second, examining a book will make you actually more imaginative. When you reading through a book especially hype book the author will bring one to imagine the story how the figures do it anything. Third, you could share your knowledge to others. When you read this Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy), you may tells your family, friends as well as soon about yours reserve. Your knowledge can inspire different ones, make them reading a publication.

#### **Christopher McCormick:**

Playing with family within a park, coming to see the coastal world or hanging out with friends is thing that usually you could have done when you have spare time, subsequently why you don't try thing that really opposite from that. One particular activity that make you not experience tired but still relaxing, trilling like on roller coaster you have been ride on and with addition of knowledge. Even you love Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy), it is possible to enjoy both. It is good combination right, you still wish to miss it? What kind of hang-out type is it? Oh come on its mind hangout guys. What? Still don't understand it, oh come on its named reading friends.

#### **Joe Williams:**

This Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) is brand-new way for you who has curiosity to look for some information mainly because it relief your hunger of knowledge. Getting deeper you onto it getting knowledge more you know or perhaps you who still having little digest in reading this Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) can be the light food for you personally because the information inside that book is easy to get by anyone. These books produce itself in the form and that is reachable by anyone, yep I mean in the e-book

form. People who think that in book form make them feel tired even dizzy this e-book is the answer. So there isn't any in reading a publication especially this one. You can find actually looking for. It should be here for anyone. So , don't miss that! Just read this e-book type for your better life in addition to knowledge.

**Download and Read Online Quantum Mechanics and the  
Philosophy of Alfred North Whitehead (American Philosophy)  
Michael Epperson #9D5F3GKJR7U**

## **Read Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson for online ebook**

Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson books to read online.

### **Online Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson ebook PDF download**

#### **Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson Doc**

**Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson Mobipocket**

**Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson EPub**

**Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson Ebook online**

**Quantum Mechanics and the Philosophy of Alfred North Whitehead (American Philosophy) by Michael Epperson Ebook PDF**