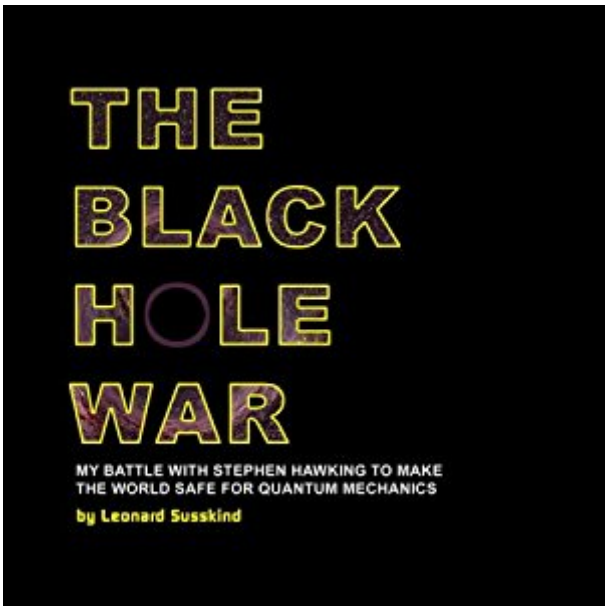
# The Black Hole War: My Battle To Make The World Safe For Quantum Mechanics



## Synopsis

At the beginning of the 21st century, physics is being driven to very unfamiliar territory--the domain of the incredibly small and the incredibly heavy. The new world is a world in which both quantum mechanics and gravity are equally important. But mysteries remain. One of the biggest involved black holes. Famed physicist Stephen Hawking claimed that anything sucked in a black hole was lost forever. For three decades, Leonard Susskind and Hawking clashed over the answer to this problem. Finally, in 2004, Hawking conceded. THE BLACK HOLE WAR will explain the mind-blowing science that finally won out, and the emergence of a new paradigm that argues the world--this catalog, your home, your breakfast, you--is actually a hologram projected from the edges of space. --This text refers to an out of print or unavailable edition of this title.

## Book Information

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## Customer Reviews

Very interesting! Still I had difficulty accepting the idea of the Hawking radiation. If the radiation happens at the event horizon, that surface exists relative to an observer at infinite distance. I guess that a closer observer will see an event horizon that is slightly closer to the black hole. Since the even horizon is a particle-antiparticle splitter, how could it be so relative to an observer. Would the hawking radiation depend on the observer? The closer observer would see the infinite observed event horizon as ordinary space, an because of that virtual particles would not split and radiate. May be I am "not even wrong."

Hard to define: this certainly teaches a lot, but at the same time is very personal, and almost has the

characteristics of a novel! Having an interest in the physical sciences, and only limited knowledge of most of them, I found it ’an easy read’, especially since it refers to very well-known characters.

Thoroughly enjoyed reading it. Very informative and easy to read. Learned a lot about physics

Highly recommended this book to anyone interested in understanding fundamental aspects of nature, even if nature is somewhat counterintuitive at the quantum level.

1. This book is very up-to-date written by a renoun professor with excellent teaching skills as seen on his YouTube lectures.2. The book deals with information theory and black holes leading to the cutting edge of our understanding of the universe.3. The Black Hole War includes the personal interactions among physicists and how Dr. Susskind, a brilliant physicist can recognize a problem as a renegade, become obsessed with it when others oppose his thinking, and then over a number of years bring more and more researchers over to his point of view until it becomes the norm.Impact: It inspires one to pursue their beliefs until they are either reasonably convinced they are wrong or otherwise present a new advancement to physics or society in general.Customers should decide if they are interested in expanding their horizons of knowledge or want to watch soap operas and sportscasts.Similar to other popularized books such as ’The Fabric of the Cosmos’ by Brian Greene but covering different ideas and concepts not in most other popularized books.

Great deal, and a great book; so I bought Susskin’s second book too.

Book was truly illuminating and thought provoking, extremely clear and well written. As someone with no technical or mathematical background, I greatly enjoyed the accessibility of the complex ideas the author presented. Am searching for similar books to add to reading list.

I am not a physicist but, as an avid history and current events scholar and reader, I have a great interest in breaking out of my comfort zone from time to time. Physics is great because it is so devoid of human imperfection - except when we discuss the history of science.This book is a bit of history of science - namely the debate of the issue of black holes and information loss - and a lot of physics theory. It necessarily starts from the beginning of basic relativity, nuclear physics, and thermodynamics. This part is the easiest to understand (being well covered in your average "popular" physics book), and takes up a solid half or more of the book. But that’s ok...the theories

are put into the context of black hole physics.The last third or less of the book really dives into the most abstract part and the hardest to understand: dimensions, string theory, holograms, etc. I got 75% of the first half, and about 25% of the last half; with about 10% of the last few chapters. Susskind admits that these are hard issues to understand, and he did his level best to write it out. But he is basically trying to put words to numbers, which is well nigh impossible for this field.I think the book's greatest fault is the subject; it's simply not (for me) a fascinating subject. Other books on multiverse, anti-matter, dark matter, and relativity are more interesting - perhaps because they are simply more tangible for my non-physics mind. But I learned something from this book, and feel a bit wiser for the effort.Liam H Dooleywww.liamhdooley.com