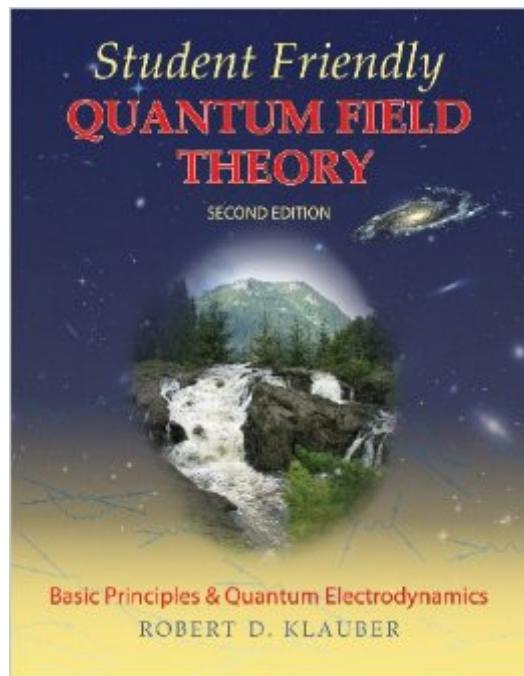


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# Student Friendly Quantum Field Theory



## Synopsis

By incorporating extensive student input and innovative teaching methodologies, this book aims to make the process of learning quantum field theory easier, and thus more rapid, profound, and efficient, for both students and instructors. Comprehensive explanations are favored over conciseness, every step in derivations is included, and 'big picture' overviews are provided throughout. Typical student responses indicate how well the text achieves its aim. "[This] book ... makes quantum field theory much easier to understand!" "Thanks for ... making quantum field theory clearer!" "Awesome. .. approach and presentation .. just awesome !!!" "Best presentation of QFT I have ever seen .... marvelous!!!. " transforms learning QFT from being a hazardous endeavor to actually being an enjoyable thing to do." "Great job .. extremely clear ... guided me through many ambiguities .. I wasn't able to work out with any other book." "...truly special... extraordinary text. For me, ... a big relief .. finding [this] text." The book focuses on the canonical quantization approach, but also provides an introductory chapter on path integrals. It covers fundamental principles of quantum field theory, then develops quantum electrodynamics in depth. The second edition incorporates suggestions from readers to make certain sections even clearer and easier to understand. See the first few chapters at [www.quantumfieldtheory.info](http://www.quantumfieldtheory.info).

## Book Information

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## Customer Reviews

I posted this review on the previous edition of the book: After attempting to learn from several QFT textbooks, I came to realize that there were innumerable occasions when the authors seemed to gloss-over completely new/unfamiliar concepts because they apparently regarded them as "trivial" or "obvious." But what seemed trivial to them often left me scratching my head, trying to logically tie

one equation to the next and arrive at their conclusion. Most books also tend to omit tedious, yet fundamental, calculations that would be a real pain for a new student to try to work out. I started with the classics ("Peskin and Schroeder," "Bjorken and Drell"), but they seemed to almost require previous knowledge of QFT to make any sense of them, as if they were intended more as an encyclopedia than an introduction to a new subject. I tried Zee's book next, but realized that his unconventional approach (teaching the path integral formulation before the canonical formulation) made it very hard to simultaneously learn from other texts. He also tends to be sloppy with his math, and often left me more confused than anything. The closest I got to a good introduction was Srednicki's book, but it too was hard to follow at times. By chance I stumbled across Klauber's website and read the first chapter of his book, expecting to be left confused as usual. To the contrary, what I had been struggling to understand for months suddenly snapped into place. I immediately read the rest of the free chapters, and when I finished those I ordered the book as soon as it appeared on .

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