

All mathematical and physical competence required beyond that level is gradually developed through the book, as more advanced topics are introduced. The full tensor formalism, however, is dispensed with as it would only be a burden for the problems to be dealt with. Eventually, a substantial and comprehensive treatise on special relativity emerges which, with its gray-shaded formulary, is an invaluable reference manual for students and scientists alike. Some crucial results are derived more than once with different approaches: the Lorentz transformation in one spatial direction three times, the Doppler formula four times, the Lorentz transformation in two directions twice; also twice the unification of electric and magnetic forces, the velocity addition formula, as well as the aberration formula. Beginners will be grateful to find several routes to the goal; moreover, for a theory like relativity, it is of fundamental importance to demonstrate that it is self-contained and without contradictions. Author's website: www.relativity.ch.

"My cat hates Schrödinger" is an amusing introduction to the principles of quantum physics. It's never too late to become a quantum physics fan! The Book achieved resounding success on amazon.it and in fact became a bestseller, reaching the first position in the "Physics" category. The aim of the book is to explain, in a way that will make you laugh and learn at the same time, how quantum physics and the universe work. To do so, the author has used his long-suffering cat. And it was a great idea: just have a look at the hundreds of followers of his Facebook page. The main topics explained in the book are: Quantum Physics Space-time Relativity Big Bang Universe Dark Matter Theory of Everything Higgs field Multiverse Black Holes String Theory CD-ROM contains full text for all the procedures available in the manual. Files are provided both as fully formatted Word 6.0 (.doc) documents and as text-only documents (.txt).

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