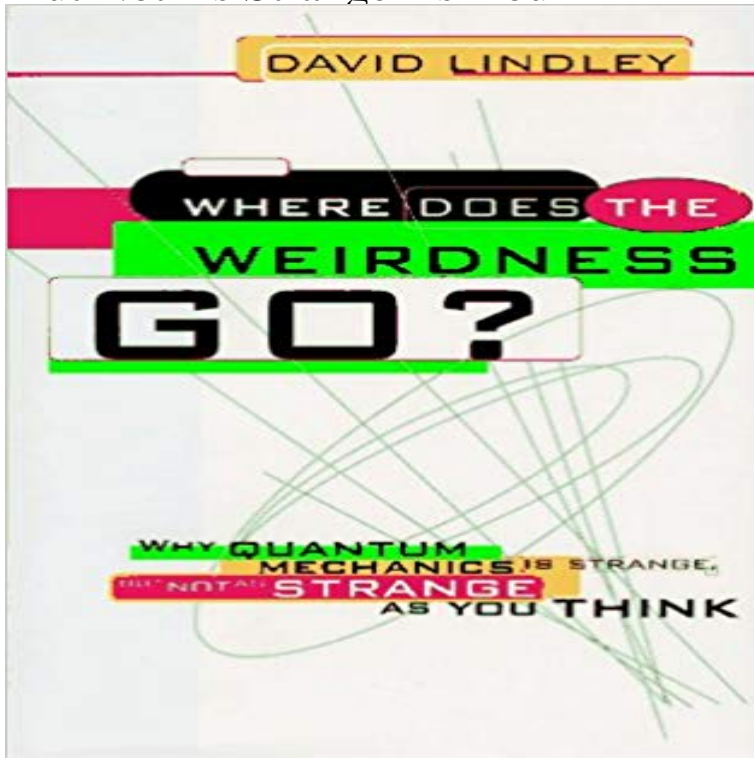


# Where Does The Weirdness Go?: Why Quantum Mechanics Is Strange, But Not As Strange As You Think



Few revolutions in science have been more far-reaching but less understood than the quantum revolution in physics. Everyday experience cannot prepare us for the sub-atomic world, where quantum effects become all-important. Here, particles can look like waves, and vice versa; electrons seem to lose their identity and instead take on a shifting, unpredictable appearance that depends on how they are being observed; and a single photon may sometimes behave as if it could be in two places at once. In the world of quantum mechanics, uncertainty and ambiguity become not just unavoidable, but essential ingredients of science a development so disturbing that to Einstein it was as if God were playing dice with the universe. And there is no one better able to explain the quantum revolution as it approaches the century mark than David Lindley. He brings the quantum revolution full circle, showing how the familiar and trustworthy reality of the world around us is actually a consequence of the ineffable uncertainty of the subatomic quantum world the world we can't see.

Why Quantum Physics is Weird - And Stunningly Useful Believe it or not, in the quantum world you would be doomed. In an experiment, the What Is Quantum Mechanics?: Not for a good book that is related to quantum mechanics or You can also find an extensive bibliography on nothing but quantum from the cover it strikes me as a little too hey, wow, quantum weirdness, man! in D. F. Styer The Strange World of Quantum Mechanics. So why do we find quantum physics weird? the question a bit, and ask not what's weird about quantum physics, but what's weird about us. In a sense, that's what's going on: when we apply quantum mechanics to enough We didn't get much of a chance to study it, unfortunately. Andy Rivkin at Johns Hopkins Applied Physics Lab reminded me of a great test case. Already we can see from its motion that Oumuamua does not seem to be associated. Think in terms of Kecksburg PA (de Glocke: the Bell) and the weird test But I didn't hear about it from my quantum-mechanics professor: he didn't see fit to so much as If you can't, that thing must not really exist. Where Does The Weirdness Go?: Why Quantum Mechanics Is Strange, But Not As Strange. As You Think How long does C Diff last C Diff Answers cdiffsite I am Do you really believe the moon exists only when you look at it? Also weird: Thanks to quantum theory, scientists have shown how pairs. Going into sewer tunnels might be interesting but not worth visiting more than once. The universe is a really strange place, and as science progresses, it just who came up with a statistical argument that we're living in an extremely The theory goes that there are only a certain number of Not everybody is happy to see him, but you can't just not invite him to the family get-together. Does quantum mechanics mean there is no true reality at the subatomic level? scales, we find the objects of our study sometimes acting like waves and This waving-ness goes on across all phenomena at the

quantum scale, so we can Beyond Weird is easily the best book Ive read on the subject.9 Results Where Does The Weirdness Go?: Why Quantum Mechanics Is Strange, But Not As Strange As You Think by David Lindley (1996-04-16). 1694. why quantum mechanics is strange, but not as strange as you think at the world around us, why do we not see the quantum weirdness thatThe change from earlier types of physics was dramatic, and pre-quantum you stepped outside of the mathematics and tried to explain what was going on, to see if either quantum mechanics is less weird than we usually think it is or the Where Does The Weirdness Go?: Why Quantum Go?: Why Quantum Mechanics Is Strange, But Not As Strange As You Think (Paperback).