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**Sinopsis**

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How many dimensions do you live in? Three? Maybe that's all your commonsense sense perception perceives, but there is growing and compelling evidence to suggest that we actually live in a universe of ten real dimensions. Kaku has written an extraordinarily lucid and thought-provoking exploration of the theoretical and empirical bases of a ten-dimensional universe and even goes so far as to discuss possible practical implications--such as being able to escape the collapse of the universe. Yikes. Highly Recommended.

Since ingesting Einstein's relativity theory 50 years ago, physics fell down a quantum rabbit hole and, ever since, physicists' reports to the world of popular science have been curiouser and curiouser. This version, from the author of the graduate text Quantum Field Theory, is very curious as he delineates the "delicious contradictions" of the quantum revolution: that the new paradigms of subatomic matter require the existence of "hyperspace," an ultimate universe of many dimensions, to accomodate their mostly mathematical behaviors. Unified field theory as it is currently understood does not preclude any of the hypotheses that Kaku invites to this Mad Hatter's Theory Party: superstrings, parallel universes and, his centerpiece, time travel. Although occasionally facile, Kaku remains on solid theoretical ground up to the point of his untestable hypotheses, which lead to his more abstract arguments. In the past decade particle physics has lurched to astonishing contradictions and Kaku's adventurous, tantalizing book should not be penalized for promising more than present technology can test. His intellectual perceptions will thrill lay readers, SF fans and the physics-literate. Illustrations.