



## A Most Incomprehensible Thing: Notes Towards a Very Gentle Introduction to the Mathematics of Relativity

By Peter Collier

Incomprehensible Books, United Kingdom, 2014. Paperback. Book Condition: New. 2nd Revised edition. 224 x 190 mm. Language: English . Brand New Book. A self-study guide to Einstein's wonderful theories of relativity A Most Incomprehensible Thing is aimed at the enthusiastic general reader who wants to move beyond the maths-lite popularisations in order to tackle the essential, but challenging mathematics of Einstein's fascinating theories of special and general relativity. One of the cornerstones of modern physics, relativity is based on the concept of four-dimensional spacetime - curved in the vicinity of mass-energy, flat in its absence. Special relativity helps explain a huge range of non-gravitational physical phenomena and has some strangely counter-intuitive (very weird, in plain English) consequences. These include time dilation, length contraction, the relativity of simultaneity, mass-energy equivalence and an absolute speed limit. General relativity, a theory of gravity, is at the heart of our understanding of cosmology and black holes. To paraphrase Euclid, there is no royal road to relativity - you have to do the mathematics. This introductory, self-study guide is written using straightforward and accessible language, with clear derivations and explanations as well as numerous fully solved problems. For those with minimal mathematical background,...



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