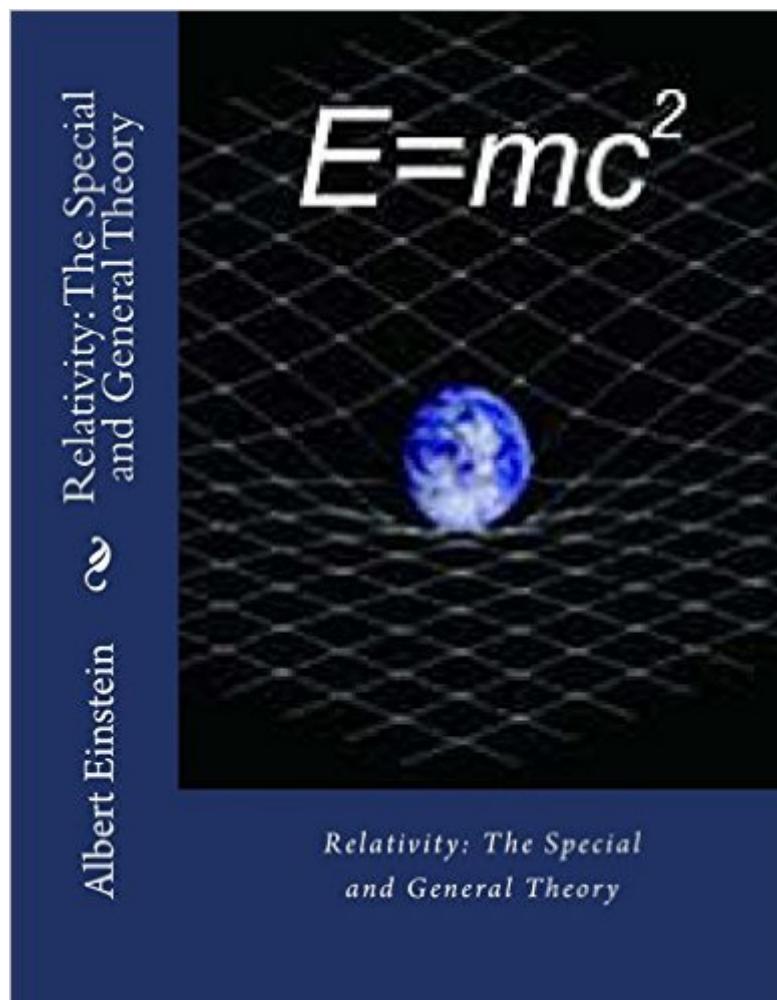


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Relativity: The Special And General Theory



Synopsis

The theory of relativity, or simply relativity in physics, usually encompasses two theories by Albert Einstein: special relativity and general relativity. (The word relativity can also be used in the context of an older theory, that of Galilean invariance.) Concepts introduced by the theories of relativity include: Measurements of various quantities are relative to the velocities of observers. In particular, space contracts and time dilates. Spacetime: space and time should be considered together and in relation to each other. The speed of light is nonetheless invariant, the same for all observers. The term "theory of relativity" was based on the expression "relative theory" (German: Relativtheorie) used in 1906 by Max Planck, who emphasized how the theory uses the principle of relativity. In the discussion section of the same paper Alfred Bucherer used for the first time the expression "theory of relativity" (German: RelativitÄtstheorie)

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I was amazed at how accessible Einstein's theories are to the layman. He is an excellent writer. However, there are some serious typographical errors in the Kindle version which make this much more difficult to read. The diagrams are especially difficult to use. However, overall I do recommend it. It is worth stumbling through the confusing parts to read the rest of the thesis.

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