# Theory of relativity

Source: Wikipedia[[1]](#endnote-1)

The **theory of relativity** usually encompasses two interrelated theories by Albert Einstein: special relativity and general relativity.[[2]](#footnote-1) Special relativity applies to elementary particles and their interactions, describing all their physical phenomena except gravity. General relativity explains the law of gravitation and its relation to other forces of nature.[[3]](#footnote-2) It applies to the cosmological and astrophysical realm, including astronomy.[[4]](#footnote-3)

1. <https://en.wikipedia.org/wiki/Theory_of_relativity> [↑](#endnote-ref-1)
2. Einstein A. (1916), Relativity: The Special and General Theory (Translation 1920), New York: H. Holt and Company [↑](#footnote-ref-1)
3. Einstein, Albert (November 28, 1919). "Time, Space, and Gravitation". The Times. [↑](#footnote-ref-2)
4. Will, Clifford M (August 1, 2010). ["Relativity"](http://gme.grolier.com/article?assetid=0244990-0). Grolier Multimedia Encyclopedia. Retrieved 2010-08-01. [↑](#footnote-ref-3)