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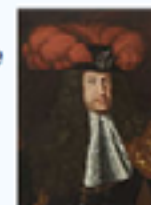


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... of gravitation published by Albert Einstein on gravitation in modern physics.

General relativity generalises special relativity and Newton's law of universal gravitation, providing a unified description of gravity as a geometric property of space and time. In particular, the curvature of spacetime is directly related to the four-momentum of whatever matter and radiation are present. The relation is specified by the Einstein field equations. Some predictions of general relativity differ significantly from those of classical physics. Examples of such differences include gravitational time dilation, gravitational lensing, the gravitational redshift of light, and the gravitational time delay. General relativity's predictions have been confirmed in all observations and experiments to date. Although general relativity is not the only relativistic theory of gravity, it is the simplest theory that is consistent with experimental data. However, unanswered questions remain, the most fundamental being how general relativity can be reconciled with the laws of quantum physics to produce a complete and self-consistent theory of quantum gravity. (more...)

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Did you know...

From Wikipedia's newest content:

- ... that the **Easter egg tree** (pictured) in Saalfeld, Thuringia, was decorated with 10,000 Easter eggs in 2012?
- ... that **Anthony Alexander Forrest** played two senior games of Australian rules football for the Perth Football Club before dying at age 16 in the Second Boer War?
- ... that the center of Santa Barbara, California, is built in a homogeneous style because of a 1925 earthquake?
- ... that two guide dogs, **Salty and Roselle**, were awarded the Dickin Medal for gallantry after leading their blind owners out of the World Trade Center during the September 11 attacks?



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In the news

- India successfully test launches the **Agni-V** intercontinental ballistic missile.
- Jim Yong Kim** (pictured) is elected President of the World Bank.
- Amid a dispute with **Repsol** and the government of Spain, Argentina announces re-nationalisation of the oil company **YPF**.
- Taur Matan Ruak** is elected President of East Timor.
- In Afghanistan, Taliban insurgents launch coordinated attacks on NATO's headquarters, foreign embassies, military bases and the country's parliament.
- In the United Kingdom, **Neptune Collonges** wins the **Grand National** horse race.



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On this day...

April 19: Feast of Saint Alphege (Western Christianity); **Yom HaShoah** (Israel, 2012); 100th anniversary of the birth of **Glenn T. Seaborg** (Yom HaShoah) rfer of ten atomic elements

- 1713 – With no living male heirs, Holy Roman Emperor **Charles VI** (pictured) issued the Pragmatic Sanction to ensure one of his daughters would inherit the Habsburg lands.
- 1810 – An expanded municipal government of **Caracas** deposed Captain General **Vicente Emparán** and established the **First Republic of Venezuela**.
- 1861 – **American Civil War**: The first bloodshed of the war took place when Confederate sympathizers in Baltimore, Maryland, attacked members of the Massachusetts militia en route to Washington, D.C.
- 1971 – The first space station, **Salyut 1**, was launched from the Baikonur

