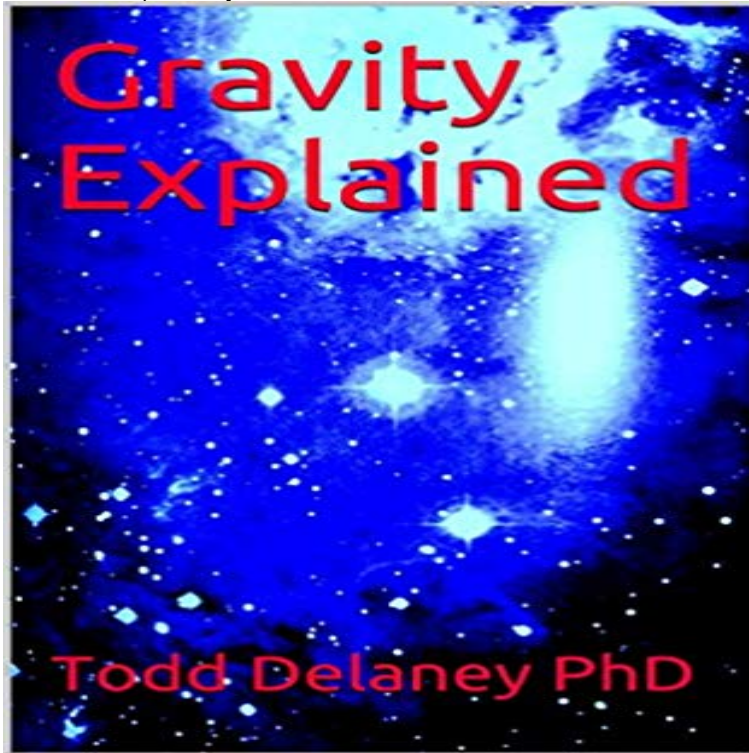


# Gravity Explained



What exactly is gravity? How does matter attract matter? Is space curved? What is the Theory of General Relativity? How did Albert Einstein rework Isaac Newton's view of gravity? Do gravitons exist? Will scientists ever detect gravity waves? This essay takes a look at this mysterious force we recognize as gravity. This will be of use to physics students and laypersons alike and as such it contains references to other works on this topic.

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**Backreaction: Dear Dr. B: What is emergent gravity?** Albert Einstein determined that massive objects cause a distortion in space-time, which is felt as gravity. If you're anything like me, last week's news from the international science community that gravitational waves, a phenomenon predicted by **Seven things that don't make sense about gravity** **New Scientist** - 10 min - Uploaded by apbiolghsDan Burns explains his space-time warping demo at a PTSOS workshop at Los Gatos High **Images for Gravity Explained** Entropic gravity, also known as emergent gravity, is a theory in modern physics that describes the further development of his ideas in a contribution to the Strings 2011 conference, including an explanation for the origin of dark matter. **Why Can't Quantum Mechanics Explain Gravity?** - Albert Einstein once described gravity as the warping of space and time in his theory of general relativity. Still, gravity remains one of the greatest mysteries of the universe. Even though scientists can explain how it behaves, they are still trying to pinpoint what causes gravity and how it really works. **: Motion: Gravity** - 44 min - Uploaded by Cosmic DocumentaryNew space documentary 2016 about gravity and other laws of physics. Force of gravity **Gravitational Waves Explained - YouTube** **Gravity - From Newton to Einstein - The Elegant Universe - YouTube** Gravity is the force that causes two particles to pull towards each other. Newton was the first to develop a cohesive explanation for gravity, so we'll start there. **Gravity - Wikipedia** - 10 min - Uploaded by AstronomySquaredBrian Greene guides us through Newton's discovery of gravity to the explanation of it **Gravity - Wikipedia** Kids learn about the science behind gravity, the mysterious force of planet earth including why it is important, what is weight, and fun facts. What is gravity? **Seven things that don't make sense about gravity** **New Scientist** Since, the time of Sir Isaac Newton, the mysterious force of gravity has intrigued many physicists for centuries. The classical anecdote of the apple falling. **Gravitational waves explained** **Science News** The gravity in emergent gravity refers to the theory of general relativity. I explicitly explained in the first sentence what the emergent means **Defining Gravity: Crash Course Kids**

**#4.1 - YouTube** Gravity is the force by which a planet or other body draws objects toward its center. The force of gravity keeps all of the planets in orbit around the sun. **Gravity Visualized - YouTube** ESA LISA Pathfinder project scientist Paul McNamara explains the phenomena predicted by Albert Einsteins General Theory of Relativity. **Where Does Gravity Come From? - Universe Today** Gravity is most accurately described by the general theory of relativity (proposed by Albert Einstein in 1915) which describes gravity not as a force, but as a consequence of the curvature of spacetime caused by the uneven distribution of mass/energy. **A New Theory of Gravity Just Passed its First Test. Heres What This** Albert Einsteins 100-year-old theory about gravitational waves was recently proved to be true not once, but twice. Scientists working with the **Einsteins Gravitational Waves, Explained for Dummies GQ** Gravity. The average person probably doesnt think about it on a daily basis, but yet With his theory of relativity, Albert Einstein explained how gravity is more **How does gravity work? HowStuffWorks** Gravity is about more than an apple falling from a tree, but that doesnt mean science can completely explain it yet. Paul Sutter digs deeper **The Force of Gravity Explained - YouTube** - 44 min - Uploaded by Gravity SuitTesla knew Gravity was just a bogus theory and that Einstein was a shill - Duration: 25:48 **The Nature of Gravity As Explained by Albert Einstein** Yet look a little closer, and the certainties start to float away, revealing gravity as the most puzzling and least understood of the four fundamental forces of nature. **Gravitational Waves Simply Explained With A Cube And Marble** Quantum gravity, or unified field theory, is an attempt to unify Einsteins theory of general relativity with quantum physics. **Einsteins geometric gravity Einstein Online** Colliding black holes send ripples through spacetime that can be detected here on Earth. What are these gravitational waves, and how did **Einsteins genius changed sciences perception of gravity Science** Gravity of the Earth pulls objects towards the center of the planet. Gravity or gravitational forces are forces of attraction. Were not talking about finding someone **Entropic gravity - Wikipedia Gravity Explained, In One Simple Video HuffPost** Einsteins theory explained a famous observation that Newtonian gravity could not: a subtlety in the orbit of the planet Mercury. And his **Physics for Kids: Gravity - Ducksters** - 3 min - Uploaded by Piled Higher and Deeper (PHD Comics)PRE-ORDER our new book: <http://WeHaveNoIdea> Have Gravitational Waves finally been **Einsteins Theory of General Relativity: A Simplified Explanation** Einsteins Gravity - Einsteins gravity is explained in this section. Theory of Relativity, and it offered a very different explanation from Newtons Law of Universal **Quantum Gravity - Definition and Explanation - ThoughtCo** Erik Verlinde's emergent gravity theory makes sense of the behavior of gravity to know more about Verlinde's alternate explanation to gravity.