

Does It Matter

Nicholas G. Carr

prominence with the 2003 Harvard Business Review article "IT Doesn't Matter" and the 2004 book Does IT Matter? Information Technology and the Corrosion of Competitive

Nicholas G. Carr (born 1959) is an American journalist and writer who has published books and articles on technology, business, and culture. His book *The Shallows: What the Internet Is Doing to Our Brains* was a finalist for the 2011 Pulitzer Prize in General Nonfiction.

Matter

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In classical physics and general chemistry, matter is any substance that has mass and takes up space by having volume. All everyday objects that can be touched are ultimately composed of atoms, which are made up of interacting subatomic particles. In everyday as well as scientific usage, matter generally includes atoms and anything made up of them, and any particles (or combination of particles) that act as if they have both rest mass and volume. However it does not include massless particles such as photons, or other energy phenomena or waves such as light or heat. Matter exists in various states (also known as phases). These include classical everyday phases such as solid, liquid, and gas – for example water exists as ice, liquid water, and gaseous steam – but other states are possible, including plasma, Bose–Einstein condensates, fermionic condensates, and quark–gluon plasma.

Usually atoms can be imagined as a nucleus of protons and neutrons, and a surrounding "cloud" of orbiting electrons which "take up space". However, this is only somewhat correct because subatomic particles and their properties are governed by their quantum nature, which means they do not act as everyday objects appear to act – they can act like waves as well as particles, and they do not have well-defined sizes or positions. In the Standard Model of particle physics, matter is not a fundamental concept because the elementary constituents of atoms are quantum entities which do not have an inherent "size" or "volume" in any everyday sense of the word. Due to the exclusion principle and other fundamental interactions, some "point particles" known as fermions (quarks, leptons), and many composites and atoms, are effectively forced to keep a distance from other particles under everyday conditions; this creates the property of matter which appears to us as matter taking up space.

For much of the history of the natural sciences, people have contemplated the exact nature of matter. The idea that matter was built of discrete building blocks, the so-called particulate theory of matter, appeared in both ancient Greece and ancient India. Early philosophers who proposed the particulate theory of matter include the Indian philosopher Ka??da (c. 6th century BCE), and the pre-Socratic Greek philosophers Leucippus (c. 490 BCE) and Democritus (c. 470–380 BCE).

Janieck Devy

Lovra. In December 2017, Janieck released his single "Does it Matter". The song "Does it Matter" samples "Better Off Alone" (1999) by Alice Deejay. 2012:

Janieck van de Polder (Dutch pronunciation: [ja??nik f??n d? ?p?ld?r]; born (1994-06-24)24 June 1994), better known by his stage name Janieck Devy or just the mononym Janieck, is a Dutch singer-songwriter, musician and actor. He is best known for his portrayal of Pluk in the 2004 film *Tow Truck Pluck* and the

single "Reality" by Lost Frequencies, in which he took the melody, guitar, vocals and lyrics into account.

Does It Matter Irene?

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"Does It Matter Irene?" is the first disc released by post-punk group the Mothmen, on Absurd Records, in 1979. Shortly before, the band members were involved with two known Manchester bands, guitarist/bassist Dave Rowbotham, bassist/guitarist Tony Bowers and drummer Chris Joyce with the Durutti Column and vocalist Bob Harding with Alberto Y Lost Trios Paranoias. Bowers also was member of Alberto Y Lost Trios Paranoias before the Durutti Column.

This was the only single released on Absurd. The band later signed to Do It! to release in 1981 their first album Pay Attention! and their next single "Show Me Your House and Car".

However, the band waited the entire 1980 working in separated ways. Dave Rowbotham was recording material with Pauline Murray and the Invisible Girls, Chris Joyce joined Pink Military, with whom he began to work, and Tony Bowers was producing for the latter band.

The single's B-side, "Please Let Go", was later re-versioned for the debut album Pay Attention!.

Matter Does Not Define

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The album's lead single "No Direction" was released on 15 July 2024, with the album being announced on 28 October 2024. The second single "Stellar Cast" was followed by the release of third single "Long Shadows" on 6 December 2024. The album was released a week earlier, as the original release date was 7 March.

Dark matter

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In astronomy and cosmology, dark matter is an invisible and hypothetical form of matter that does not interact with light or other electromagnetic radiation. Dark matter is implied by gravitational effects that cannot be explained by general relativity unless more matter is present than can be observed. Such effects occur in the context of formation and evolution of galaxies, gravitational lensing, the observable universe's current structure, mass position in galactic collisions, the motion of galaxies within galaxy clusters, and cosmic microwave background anisotropies. Dark matter is thought to serve as gravitational scaffolding for cosmic structures.

After the Big Bang, dark matter clumped into blobs along narrow filaments with superclusters of galaxies forming a cosmic web at scales on which entire galaxies appear like tiny particles.

In the standard Lambda-CDM model of cosmology, the mass–energy content of the universe is 5% ordinary matter, 26.8% dark matter, and 68.2% a form of energy known as dark energy. Thus, dark matter constitutes 85% of the total mass, while dark energy and dark matter constitute 95% of the total mass–energy content. While the density of dark matter is significant in the halo around a galaxy, its local density in the Solar

System is much less than normal matter. The total of all the dark matter out to the orbit of Neptune would add up about 10¹⁷ kg, the same as a large asteroid.

Dark matter is not known to interact with ordinary baryonic matter and radiation except through gravity, making it difficult to detect in the laboratory. The most prevalent explanation is that dark matter is some as-yet-undiscovered subatomic particle, such as either weakly interacting massive particles (WIMPs) or axions. The other main possibility is that dark matter is composed of primordial black holes.

Dark matter is classified as "cold", "warm", or "hot" according to velocity (more precisely, its free streaming length). Recent models have favored a cold dark matter scenario, in which structures emerge by the gradual accumulation of particles.

Although the astrophysics community generally accepts the existence of dark matter, a minority of astrophysicists, intrigued by specific observations that are not well explained by ordinary dark matter, argue for various modifications of the standard laws of general relativity. These include modified Newtonian dynamics, tensor–vector–scalar gravity, or entropic gravity. So far none of the proposed modified gravity theories can describe every piece of observational evidence at the same time, suggesting that even if gravity has to be modified, some form of dark matter will still be required.

Francesca Cornelli

European Financial Management, 2014, 20, pp. 1–32. *Monitoring Managers: Does it Matter?* (joint with Zbigniew Kominek and Alexander Ljungqvist), *Journal of*

Francesca Cornelli (born September 19, 1962) is an economist who is Dean for Northwestern University's Kellogg School of Management.

She is known for her research in corporate governance, private equity, privatization, bankruptcy, initial public offering (IPO) and innovation policy. Most notably, in 2016 she co-created the Academic Female Finance Committee (AFFECT) which was established by the American Finance Association (AFA) to help encourage and bring more women into the field of financial research. Prior to Kellogg School, Cornelli was a Professor of Finance, Director of Private Equity and Deputy Dean of Degree Education at the London Business School. She was the first woman to be a full professor at the London Business School.

Antimatter

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In modern physics, antimatter is defined as matter composed of the antiparticles (or "partners") of the corresponding particles in "ordinary" matter, and can be thought of as matter with reversed charge and parity, or going backward in time (see CPT symmetry). Antimatter occurs in natural processes like cosmic ray collisions and some types of radioactive decay, but only a tiny fraction of these have successfully been bound together in experiments to form antiatoms. Minuscule numbers of antiparticles can be generated at particle accelerators, but total artificial production has been only a few nanograms. No macroscopic amount of antimatter has ever been assembled due to the extreme cost and difficulty of production and handling. Nonetheless, antimatter is an essential component of widely available applications related to beta decay, such as positron emission tomography, radiation therapy, and industrial imaging.

In theory, a particle and its antiparticle (for example, a proton and an antiproton) have the same mass, but opposite electric charge, and other differences in quantum numbers.

A collision between any particle and its anti-particle partner leads to their mutual annihilation, giving rise to various proportions of intense photons (gamma rays), neutrinos, and sometimes less-massive

particle–antiparticle pairs. The majority of the total energy of annihilation emerges in the form of ionizing radiation. If surrounding matter is present, the energy content of this radiation will be absorbed and converted into other forms of energy, such as heat or light. The amount of energy released is usually proportional to the total mass of the collided matter and antimatter, in accordance with the mass–energy equivalence equation, $E=mc^2$.

Antiparticles bind with each other to form antimatter, just as ordinary particles bind to form normal matter. For example, a positron (the antiparticle of the electron) and an antiproton (the antiparticle of the proton) can form an antihydrogen atom. The nuclei of antihelium have been artificially produced, albeit with difficulty, and are the most complex anti-nuclei so far observed. Physical principles indicate that complex antimatter atomic nuclei are possible, as well as anti-atoms corresponding to the known chemical elements.

There is strong evidence that the observable universe is composed almost entirely of ordinary matter, as opposed to an equal mixture of matter and antimatter. This asymmetry of matter and antimatter in the visible universe is one of the great unsolved problems in physics. The process by which this inequality between matter and antimatter particles is hypothesised to have occurred is called baryogenesis.

First to file and first to invent

"Reduction to Practice" [R-5]

2100 Patentability Lo and Sutthiphisal: "Does it Matter Who Has the Right to Patent: First-to-Invent or First-to-File? Lessons - First to file and first to invent are legal concepts that define who has the right to the grant of a patent for an invention. Since March 16, 2013, after the United States abandoned its "first to invent/document" system, all countries have operated under the "first-to-file" patent priority requirement.

Size Does Matter

Size Does Matter, stylized as Size DOES Matter, is a 2014 indie rhythm game developed by DOS Studios and released by Channel 4 Television for iOS and

Size Does Matter, stylized as Size DOES Matter, is a 2014 indie rhythm game developed by DOS Studios and released by Channel 4 Television for iOS and Android. Players move and resize a set of blocks to fit through moving obstacles and score points. It won the Channel 4 Award at Dare to Be Digital 2013, and the British Academy of Film and Television Arts (BAFTA) Ones to Watch Award 2014.

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