How Gravity Works-and related matters

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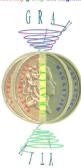
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Abstract: How Gravity Works-a Unified Field Theory

This explanation of the gravitational mechanism provides a causal mechanism that reconciles physical phenomena with Newton's equation for the force of Gravity. It shows how electricity and magnetism work together to produce the force of Gravity and in so doing represents the first Unified Field Theory, It explains the reason why the gravitational force is proportional to the ansasse of the attracting bodies and why the force decreases in accordance with a square law scale. The Gravitational Constant is defined. The reason why objects accelerate to Earth in accordance with a square law scale is explained. The architecture of the atom is explained—the reason why electrons orbit the atom in up to 8 shelfssub-shelfs; why the shells contain the number of electrons that they do; and why the shells are offset by at least 45° are all evolatined.

Conclusion; The hydrogen atom [and helium atom] generate helically polarized electromagnetic malation (gravity malation) from polar pel polarized electromagnetic malation (gravity malation) from polar regions that hombards neighbouring atoms drawing them towards the source of the radiation. Gravity malation then causes the nucleus of the neighbouring atom to spin axially (the 'motor effect') and, at the same time, synchronizes the spin of the electrons in both atoms. The neighbouring atom then, in turn, generates helically polarized electromagnetic energy (the 'generator effect'), both atoms spin axially in the same direction, Hence, the gravitational forces from both atoms pull in the same direction and the forces are additive. The gravitational Constant G is shown to be the instantaneous alternating magnetic force between any two electron-magnetis in neighbouring atoms and, here between any two electron-magnetis in neighbouring atoms and, here the design of the desi

electricity gravity and magnetism



three sides of the same coin

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How Gravity Works-and related matters

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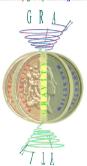
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Abstract: How Gravity Works—a Unified Field Theory

This explanation of the gravitational mechanism provides a causal mechanism that reconciles physical phenomena with Newton's equation for the force of Gravity. It shows how electricity and magnetism work together to produce the force of Gravity and in so doing represents the first Unified Field Theory, It explains the reason why the gravitational force is proportional to the ansases of the attracting bodies and why the force decreases in accordance with a square law scale. The Gravitational Constant is defined. The reason why objects accelerate to Earth in accordance with a square law scale is explained. The architecture of the atom is explained—the reason why electrons orbit the atom in up to 8 shelfswale-shelts; why the shells contain the number of electrons that they do; and why the shells are offset by at least 45°, are all explained.

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How Gravity Works

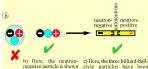
Orthodox Science does not understand the force that causes atoms to attract each other-because scientists do not understand the nature of the force, or the nature of the atom.

The accepted Model of the Atom

The accepted model of the atom (right) recognises that complex atoms are made of electric positive charges, protons (shown in red), electric negative charges (black), and neutrons (blue). The neutrons have no overall electrical charge but are known to be made of 1/2 of a proton, 1/2 of an electron and a neutral particle sometimes referred to as the 'antineutrino'. But this model cannot be correct because it raises three crucial questions; 1. Why—given that positive repels positive—do the positive charges simply not just spring apart? 2. Given that positive attracts negative, what stops the orbiting negative charges from being sucked-in to the positive charges in the nucleus? and, 3. What stops the 1/2 proton and the 1/2 electron inside the neutron from being drawn together and annihilating each other?







separated from the neutron-positive particle by the neutron-neutral particle (the antineutrino) using the billiard-ballstyle convention.

style particles have been replaced with a tiny positive battery-like symbol and a tiny negative battery-like symbol that are kept apart by the new representation will from now on, herein, be referred to as the 'spiked-neutron'

Supporting evidence: Researchers, at the Hahn-Meitner Institute, Berlin, announced that 'neutrons behave like compass needles' (Science Daily, 31,3,2008)



getting closer to the nucleus. The spiked-neutrons act like springs, forcing-out the electrons and forcing-in the protons.

What's the nature of the force?

Isaac Newton defined Gravity as 'the force between 2 bodies' [atoms]-although he never understood what caused it, how it worked, or where it came from. c) However, when we recognise that the Universe began with just I atom, it becomes clear that the force of gravity must travel. This means that each atom must give-off some form of energy. The only energy known to travel through space is electromagnetic energy, radio waves.

Before the creation of the Universe, at time zero, no physical atoms existed. Then, a moment later, at time interval 1, the first atom, atom number 1, must have appeared.



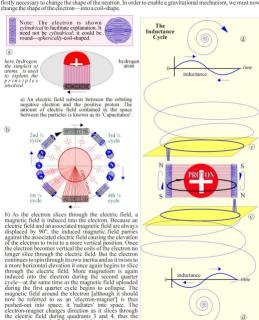


ii) At time-2 atom-2 appears and gravity exists. Thus, a gravitational force must travel from atom-1 to atom-2, and from atom-2 to atom-1, between time intervals I and 2. iii) This means that gravity must travel to establish itself between the atoms.



But how could an atom give off radio waves?

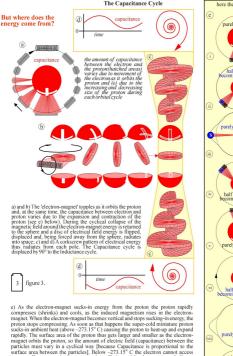
In 1831, Michael Faraday demonstrated that when a coil is swiped through a magnetic field, an electric field [a voltage] is produced across the coil. The corollary is also true; whenever a coil is swiped through an electric field [a voltage] a magnetic field is produced [induced] into the coil. In order to make the atom stable, it was firstly necessary to change the shape of the neutron. In order to enable a gravitational mechanism, we must now change the shape of offenedetor—into a coil-shape.





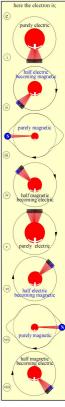
The electromagnetic interaction between the particles causes the electron-magnet to spin once [through 360°] like the opposing blades of a windmill, during each orbit of the proton. c) and d) It can be seen that the electron-magnet radiates helically polarized (ordszerewstyle) magnetic energy from the equatorial region to the polar regions. c) Radiation from the northern sector is displaced by 180° from radiation from the southern sector.

associated magnetic field around the electron-magnet reverses, relative to the first and second quarter cycles.



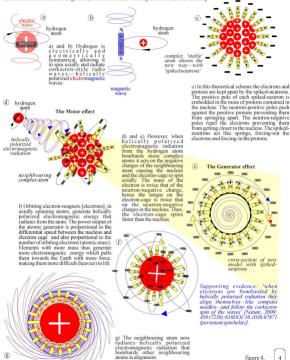
sources of heat to sustain electromagnetic oscillation and the electron, starved of input energy, ceases to orbit the proton. Oscillations cease. The atom ceases radiating corkscrew-style electromagnetic energy and the atom ceases to attract other atoms, e(i) to e(viii). Whenever the electron absorbs energy, it drains the electric field of some energy and the tension between the two particles diminishes, allowing the electron to increase the size of its orbit. Whenever energy is returned, the renewed stronger field nulls the electron back to a nosition inside the original orbit, momentarily, before

returning to its original orbit, e(iii) and e(vii).



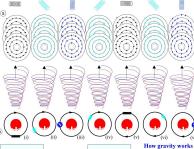
How do corkscrew-style electromagnetic radio-waves affect other atoms?

Gravity, requires that every atom attracts every other atom in every different direction. Hence, for a gravitational mechanism to be enabled by confessors-whyle radiating awaves three conditions must be met; 1. All hydrogen atoms throughout the Universe must be randomly orientated, 2. Corkscrew-style radio-waves from a hydrogen atom must not interfere with conserve-style radio-waves from their hydrogen atoms, and 3. If conserve-style radio-waves from the hydrogen atom must not interfere with conserve-style radio-waves from the hydrogen atom met the prime-mover in the gravitational mechanism then other [non-hydrogen] atoms must be affected in observations that bodies in alienment. Bletch bedam and Moon, pull in the same direction. [In order to staffy) Newton's

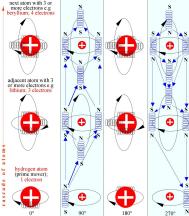


Summary; Hydrogen synchro-spin

b) As the electron-magnet (a) orbits the hydrogen proton it changes from a purely electric particle (shown in black) to one that is half electric and half magnetic (light blue), and then to one that is purely magnetic (deep blue). At the same time it radiates helically polarized electromagnetic energy into space that synchronizes the spin of electrons in nearby atoms causing them to spin-like windscreen wipers rotating through 360°. [Seven consecutive snapshots of the electron-magnet orbiting the hydrogen proton are shown; time i, ii, iii, iv, v, vi and vii].



electron-magnet azimuth



c) A vertical cascade of atoms: helically polarized electromagnetic energy (not shown here) from the hydrogen atom bombards the lithium atom synchronizing the spin of its electron-magnets with that of the hydrogen electronmagnet. The lithium electron-magnets then spin axially and radiate helically polarized electromagnetic radiation that bombards the beryllium atom. synchronizing the spin of its electron-magnets with that of the hydrogen atom. The beryllium electron-magnets then spin axially and the beryllium electron-magnets radiate helically polarized electromagnetic energy etc. It can be seen that, in a cascade of atoms, helically polarized electromagnetic radiation from the hydrogen atom synchronizes the spin of all electrons in atoms in alignment with the hydrogen atom. As a result the magnetic moments of orbiting electron-magnets in a cascade of atoms attract each other. This is the force of gravity. The electronmagnetic moments alternate during each orbital cycle of the hydrogen electronmagnet, hence gravity

no gravity when electron-magnets are at 0

electron-magnetic no gravity when orce (gravity) when electron-magnets are at 1809 electron-magnets are at 90° (vertical) (horizontal)

electron-magnetic force (gravity) when electron-magnets are at 270° (vertical)

figure 5.

cannot be measured.

The Gravitational

Constant [G]

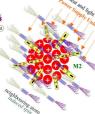
a) The energy to sustain oscillations in the hydrogen atom is obtained from ambient heat. Ambient heat sucked-in by the proton causes changes in the amount of electric field [with the expansion and contraction of the proton] and changes to the magnetic field, caused by the toppling orbiting electron-magnet. G is the 'instantaneous alternating magnetic force between any two electronmagnets in neighbouring atoms'.



c) A theoretical atom radiating a theoretical gravity wave, adjusted to accommodate Newton's observation that the force decreases in proportion to the distance travelled ((d), below).

d) As theoretical gravity waves radiate from atoms they must decrease in field strength [per metre squared]. For every unit of distance travelled the radiated energy diverges geometrically and thus reduces by the square of the distance travelled (d2). Italicised numbers inside boxes show the field strength of the radiating electromagnetic energy, in volts per metre squared. [Squares are used here to schematically illustrate the principle-the diverging wave is actually conicallyhelical, as in (c)].

Hence Isaac Newton's equation for the force of gravity; where the force is proportional to the masses (m & M) of the two attracting bodies and the strength of the force decreases distance between them (d2).



(between the two atoms) Why objects accelerate to Earth in proportion to d2

Derivation of Newton's equation The magnetic force between any two magnets is proportional to the magnetic force of one magnet multiplied by the magnetic force of the second magnet. The magnetic force between two atoms can therefore be calculated by multiplying the

electron-magnetic force of one

electron-magnet [G, the gravitational Constant] by the

number of electron-magnets in atom 1 (a proportion of the mass

of atom 1, m1) multiplied by the number of electron-magnets in

atom 2 (a proportion of the mass of atom 2, M2); or as Newton said, the force (F) can be

calculated by multiplying G [the magnetic force of 1 electron-

magnet1 multiplied by m1 x M2.

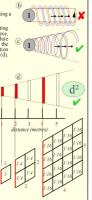
(b) – (d) explain why the result

must be divided by the distance

squared.

e) The frequency of the helically polarized EM radiation from the Earth remains constant. However, as m approaches M the spiraling EM radiation accelerates the differential rotation between each atomic nucleus and electron cage of which m is made. As a result the 'relative' atomic frequency increases and hence the output of the 'atomic generator' increases, increasing uniformly the attracting EM Force between m and M in accordance with a squarelaw scale as m proceeds along the EM spiral. M thus attracts m with

square-law [d2] uniform acceleration fm is shown spiralling towards M with the EM wave stationary but, in actuality, m approaches M in a straight line as the wave spirals across m1

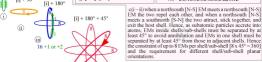


F = GmM/d

G is Newton's gravitational Constant 6.672 x 1011 N m2 kg2

the instantaneous alternating magnetic inversely with the square of the force between any two electron-magnets in neighbouring atoms

Proof that the electron is a coil-shaped electron-magnet—and electron-shell architecture explained a) Schematic showing the theoretical maximum numbers of electrons filling the maximum number of available shells in an atom. The maximum number of electrons in the shell closest to the nucleus is 2. The maximum number of electrons in the next outermost shell/subshell is 8, followed, shells/subshells containing a maximum of 18, 32, 32, 18, 8, 2, 1t can be seen that, theoretically, the heaviest atom (illustrated) contains 120 electrons. The number of electrons orbiting an atom is usually balanced (but there are exceptions] with the same number of protons in the centre and (in our 'new atom') the same number of spiked-neutrons protruding from the centre (not shown). This also means that there are a maximum of only 120 different fundamental materials (elements). The heavier ones are more 'massive' and hence said to contain more mass (electrons, protons and neutrons). b(i - iv) illustrate the electric - magnetic tipping point of the orbiting electron-magnet [EM] at 45° intervals: bi) From 45° – 90° (1/8 of the time) the magnetic field of the EM rises [and it is more magnetic than electric]. bii) From 90° - 135° it falls [but is still more magnetic than electric]. b(iii - iv) The same thing happens between 225°-270°, and from 270°-315°, but with opposite magnetic polarity orthodox Science does not understand why the atom is (b) (i) structured the way it is-the reasons are given helow when a N-S electron (ii) when a S-N meets a N-S the two magnet meets a N-S coalesce and the pair can no longer remain in the shell. Only atoms with electron-magnet in an adjacent shell they a [maximum] sequence of 2.8.18.32.32.18.8.2 survive. $[i] + 90^{\circ}$ repel [i] + 180° [i] + 180° + 45°



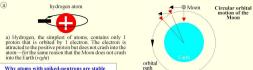
shell 8 not shown (e)

d) and e) As a general rule orbital shells [or sub-shells of equidistant radii cannot sustain more than 8 EMs because of considerations set down in b(i - iv) and, to avoid magnetic conflict between shells/subshells, the plane of successive shells/subshells must be progressively offset by at least 45°. However, shells 3 and 6 can sustain up to 2 more EMs in the scheme proposed in (d) and (e) because the magnetic moments from the 2 EMs in shell 1 (being equal and opposite to 2 EMs in shell 3) cancel, and magnetic moments from 2 EMs in shell 3 cancel those of 2 EMs in shell 6, allowing those shells/subshells to sustain up to 18, rather than 16, EMs.

here, (left) to further illustrate the relationship between magnetic moments. EMs in successive shells are shown reorientated; in shell 2 by 90°, in shell 3 by a further 90°, in shell 4, by a further 45°, in shell 5 by a further 90°, in shell 6 by a further 45° and in shell 7 by a further 90°. It can be seen that no magnetic conflicts occur in such a scheme and that the EMs in shell I (green) influence the magnetic moments of those in shells 3 and 6, so that those shells can sustain up to 2 more EMs (green) than generally possible. This defined structure confirms that the electron must be coil-shaped and that it behaves as an electromagnetic particle

schematic only-EMs are actually synchronized by gravity waves and [instead] the inclination of each shell/sub-shell is progressively offset as shown in d(i-iv)

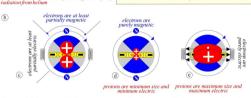
What makes the atom stable (II)?



Why atoms with spiked-neutrons are stable note: helium, like hydrogen, is electrically and

note, neutati, tase myurogen, is etectricany ana geometrically symmetrical and hence spins axially and autonomously and radiates helically polarized electromagnetic energy, however, helium is subordinate to hydrogen because hydrogen has no spiked-neutrons and is therefore unaffected by any radiation from helium





plan view of a helium atom with 2 electrons, two protons and 2 spiked-neutrons. The electron-magnets alternately possess an increasing and decreasing magnetic field that alternates with an increase and decrease of atomic capacitance. The forces untile in self-austraned oscillation. The spiked-neutrons prevent the electric-electrons from crashing into the atom

Figure 5c) showed how the electron behaves as a permanent magnet at 90° and 270° from its starting position and how it does not possess a magnetic field at 0° and 180°. The electron is magnetic therefore during only half of the time it orbits the nucleus. We note further that, because a purely magnetic field and a purely electric field are displaced by 90°, a particle cannot be both purely electric and purely magnetic simultaneously, the two are mutually exclusive. It follows that if an electrically negative electron possesses magnetic qualities for half of the time it cannot be simultaneously electrical during that same part of the cycle. The electron, therefore, can only be considered as having electrical properties for half of the time. c) Shows the electric and magnetic possibilities, in plan view, of two electrons as they orbit the nucleus of a helium atom. d) When the electrons are each purely magnetic they cannot be attracted to an electric particle (the proton). Hence the magnetic electron is not attracted towards the nucleus during the quadrants shaded in blue, e) 90° later, the electron is maximum electric, but the charge on the nearby neutron-negative prevents them moving closer to the nucleus. Thus, the electrons cannot be sucked-into the nucleus, b) We also note that during the blue quadrants the protons, drained of energy, physically shrink, compress rapidly, release heat and cool. Hence the capacitance between electrons and protons reduces during the blue quadrants [because capacitance varies with distance between particles and the surface area of each particle]. In regard to the proton; during the blue quadrants, when the electron is maximum-magnetic, the positive electrical charge of each proton (and the force of repulsion between protons) is minimal, hence the protons have little propensity to move apart during the blue quadrants. e) As the electrons move into the grey quadrants the protons begin to suck-in ambient heat and rapidly expand. As the protons expand the distance between them and the electrons reduces and their surface area increases, increasing the amount of capacitance between them. It can thus be seen that when the electric particle is maximum-electric. the proton is also maximum-electric and attraction between the electrons and protons is maximum. The protons are thus stretched between the pair of electrons and have no propensity to spring apart; which explains why the maximum, and minimum, number of electrons in the first orbital shells of atoms containing spiked-neutrons must always be 2.

The Fusion of Atoms

definitions:

Electric field is the electric component of electromagnetic radiation [infrared electromagnetic radiation [heat] emitted from stars. Electric field is sucked-into all atoms by the 'atomic electron-proton expansion-compression oscillatory mechanism' [figure 3].

Electric charge is the quantity of electric field held between a proton (or a group of protons) and an orbiting electron, or group of electrons [figure 3e].

Electric current. An electric field, applied across a cascade of atoms (e.g. a length of copper wire) forces orbiting electrons away from individual atoms, creating positive ions that attract non-domiciled electrons from the supply-side of the electric field to create coherent electron flow (electric current) [FUTURESCIENCE figure 35].

Magnetic field is the magnetic component of electromagnetic radiation emitted from stars. Magnetic field is also generated by an electron cutting through an electric field [figure 2] as a result of the atomic electron-proton expansion-compression oscillatory mechanism [i.e. atoms suck-in electric field. Orbiting electrons slice through the field and produce magnetism]. Magnetic field is also the magnetic component of electromagnetic radiation produced by the neutron-negative particle (inside a spiked neutron) cutting through the electric field inside all atoms [FUTURESCIENCE; figures 37 and 38]. Moreover, the surplus of neutrons, together with the electron architecture of certain elements (iron, cobalt, nickel and neodymium-iron-boron), allows the magnetic fields generated by individual atoms to aggregate into a coherent unified magnetic field known as permanent magnetism'.

The three types of Hydrogen

Atoms containing only 1 proton are referred to as 'Hydrogen'. There are three types of hydrogen; atoms with 1 proton and 1 electron (figure 9(ai) are named *Protium*. Atoms with 1 proton, 1 neutron and 1 electron (figure 9(bi) are named *Deuterium* (heavy hydrogen), and atoms with 1 proton 2 neutrons and 1 electron (figure 9(ci) are named *Tritium*. Each of these have different electromagnetic properties (as shown by figures 9(bii – biii) and 9(cii – ciii)).

Complex atoms are comprised of protons, neutrons and electron, hence all atoms (except protium) can be said to be made from atoms of deuterium. Deuterium, then, should be seen as 'normal-type' hydrogen, with protium and tritium seen as 'variant isotopes'.

How Protons and Neutrons accrete into atomic nuclei

A proton will repel a neutron-positive charge and figure 9(bii - biii) shows how the neutron-negative electron-magnet inside a captured neutron behaves like a miniature electron-magnet and orbits a proton, hence, a neutron can orbit a proton without touching the proton. The neutron-negative, in this case (deuterium), behaves as an electron orbiting in a first 'virtual' orbital shell. The positive proton will still have a propensity to attract any passing free negative electron, but because a captured negative electron cannot orbit the proton in the same orbital plane as the neutron-negative electron-magnet [for reasons given in figure 7(d-e)] the orbital planes of the electron and neutron-negative will be displaced by 90° , as shown in figure 9(bii). Hence, deuterium cannot radiate helically polarised electromagnetic energy (gravity waves).

A proton neutron combination may be joined by another neutron (figure 9(ci - ciii)). In this case, the magnetic moments of the two neutron-negatives attract to form a stable pair either-side of the proton. The neutron electron-magnets maintain a constant azimuth as they orbit the proton (they do not 'topple' as they orbit). The positive proton will still have a propensity to attract any passing free negative electron but because a captured negative electron cannot orbit the proton in the same orbital plane as the neutron-negative electron-magnet [for reasons given in figure 7(d and e)] the orbital planes of the electron and neutron-negatives will be displaced by 90°, as shown in figure 9(cii). Hence, tritium cannot radiate helically polarised electromagnetic energy (gravity waves).

How 2 deuterium atoms fuse together to form Helium

Figure 10 shows the conditions required to make 2 deuterium atoms fuse together to make 1 helium atom. Fusion can take place only when the particles are positioned in the way shown. It is important to note that each neutron-negative electron-magnet magnetic field is locked-together magnetically with each of the electron-magnet magnetic fields. Because of this the neutron electron-magnets topple with the orbiting electronmagnets. Helium, like hydrogen, thus radiates gravity waves.

The Electromagnetic properties of Hydrogen



protium atom (normal earth-type hydrogen)

Moon Circular orbital a) Hydrogen, the simplest motion of the of atoms, contains only 1 Moon proton which is orbited by 1 electron. The electron is attracted to the positive proton but does not crash into the atom-for the same reason that the Moon does not crash into the orbital Earth (right) nath

Newton reasoned that the Moon is continually falling towards the Earth with the same force and acceleration as a falling apple. At the same time, it is moving away from the Earth in its journey through space. The resulting motion captures the Moon in Earth's orbit (shown by the broken circular line).



deuterium atom (heavy hydrogen) electric electron configuration

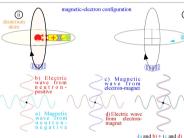
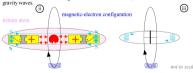


Figure 7 showed how the first two orbital shells are offset by 90°. In this case, the neutron-negative occupies the first orbital 'radius'. The electron-magnet orbit must therefore be offset by 90°, as shown. Because of this, the electric wave from the neutronpositive clashes with the magnetic wave from the orbiting electron-magnet and vice versa and the two electromagnetic waves cancel. Hence, deuterium cannot radiate

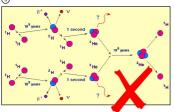


electric electron configuration



The two neutron-negative electron-magnet fields are attracted magnetically and thus form a stable union as they spin around the proton. The plane of the electron-magnet, as with deuterium, is offset by 90°. The electromagnetic gravity waves from the neutron electron-magnets and electrons thus cancel. Tritium, therefore, does not radiate gravity waves

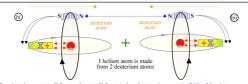
How to make Helium?



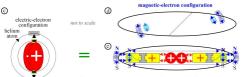
Physicists believe that the protonproton chain-reaction (eff) explains low helium is made, inside stars. They imagine this because they believe the atom is electrical, when it is, in fact, electrical, for only half of the time and magnetic for half of the time. By ignoring the magnetic properties of the atom they ignore 50% of the available information, which explains why they cannot understand how beltum is understand why bydrogen and helium are the most effective of elements, when used for super-cooling.

How is helium actually made? And, what makes liquid hydrogen, and helium, so cold?

How 2 deuterium atoms fuse together to form 1 Helium atom



Two deuterium atoms colliding, as shown, will fise together, the opposing magnetic fields of the electron-magnets causes them to bounce-off each other, into the plane of the orbiting neutron-negative electron-magnets electron-magnets where they are captured by the magnetic moments of the neutron-negatives. The magnetic moments of each electron-magnet lockstogether with each of the orbiting neutron-negative electron-magnets, in the same orbital plane, to form belium.



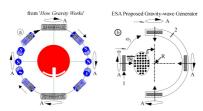
At 0° and 180° the electrons are electric and negatively charged. The protons are, hence, stretched between the electrons. The neutron-negative electric charges help repel the orbiting electrons and prevent them from crashing into the protons. Because the electron-magnets share the same orbital plane as the neutron-negative electron-magnets, they drug the neutron-negative electron-magnets along with them as they topple and orbit the nucleus. All of the magnetic moments are thus coupled toppler. Hence, the gravity wasses from the neutron-negative electron-magnets and those from the electron-magnets are in phase. Only protum and helium are electron-magnets and geometrically symmetrical, allowing them to spin as actually and autonomously, and an geometrically symmetrical, allowing them to spin as actually and autonomously, and the energy as gravity waves. That's why liquid hydrogen (protium) and helium are the most effective and efficient super-cooling elements.

How to make the elements

Work-in-Progress

In 2006, two renowned physicists at the European Space Agency (ESA), in Vienna, discovered that spinning CD drives omenowed party validational field above the disc. Experiments with shielding showed the drives somehow are present as the proposition of the drives of the proposition of the drives of the drives

Now that we understand how gravity works, it is easy to see how the 4 toppling magnets in (b) will produce helically polarized magnetic waves (gravity waves), in exactly the same way as they are produced by the toppling electron-magnet in a hydrogen atom, (a).



Details of the Patent Application:

Method for Generating a Gravitational Field & Gravitational Field Generator

Pub.No.:WO/2007/082324 International Application No.: PCT/AT2007/000002 Publication date: 26.07.2007 Applicants: Austrian Research Centres GMBH-ARC [AT/AT] Donau-City-Strasse I.A.-1220 Wien (AT)/4dl/except US

Donau-City-Strasse I,A-1220 Wien (AT) (All except US) Tajmar, Martin [AT/AT;AT) (USOnly) De Matos, Clovis J. [FR/FR]; (FR) (USOnly) Inventors: Tajmar, Martin: (AT) De Matos, Clovis J. (FR. Agent-Widhack, Helmut; Landstrasse Hauntstrasse; 50. A-1030 Wien (AT). Priority Data: 19 01 2006.

The International Patent Office could find nothing wrong with the device. It did appear to work but, on the 21st October, 2008, the Patent Application was denied on the grounds that: 'A person skilled in the Art does not know how a gravitational field can be generated', meaning that 'no-one knows how gravity works'. The Examiners' preferred to recognise that the observed effect may be due to some other unknown force. Notwithstanding, the device and the experiments that led to its design amount to prima facie experiments which either that support the efficacy of How Gravity Works. However, failure of the Patent Application, using their apparatus, is unimportant because there is a far simpler way to generate gravity waves using a method 1 term 'Periodic Scaling' (see overleaf).

Therefore the ESA Patent Application for Method for Generating a Gravitational Field & Gravitational Field & Gravitational Field Senerator, Pub. No.:WO2007080224 International Application No.: PCITAT2007000002 needs to be re-written and re-submitted explaining how gravity works, supported by 'How Gravity Works' by Maurice Cotterell

E-Cat generator not 'cold fusion'

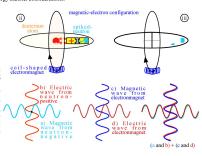
The Energy Catalyzer (also called E-Cat) is a purported cold fusion or Lowmeter HD37AB1347 Energy Nuclear Reaction (LENR) heat source built by inventor Andrea Rossi with support from physicist Sergio Focardi. An Italian Patent, which received a formal but not a technical examination, describes the apparatus as a process and HP474ACR equipment to obtain exothermal reactions, in particular from nickel and pt100 probe temp hydrogen'. Rossi and Focardi say the device works by infusing heated hydrogen into nickel, transmuting it into copper and producing heat. An International Steam 'out' and Patent Application has received an unfavourable International preliminary T2 temp gauge report on patentability because it seemed to 'offend against the generally accepted laws of physics and established theories' and to overcome this problem Rossi reactor the Application should have contained either experimental evidence or a firm used in tests theoretical basis in current scientific theory. (http://www.peswiki.com) How they think it Works: The Energy Catalyzer works-they believe-by placing nano to micro sized particles of nickel Rossi Ni-H reactor powder in a reactor along with pressurized hydrogen gas and

believe—by placing man to micro sized particles of nicked powder in a reactor along with pressurized hydrogen gas and special undisclosed (for proprietary reasons) catalysts. When the contents of the reactor is heated (using a series of resistors in the reactor) to approximately 400 to 500° C, muclear reactions start laking place. The strength of the reaction can be changed output energy can be up to 400 times the input energy. No precious metals or radioactive substances are placed in the reactor. After the reactor is turnet-off the reactor can be opened and no radiation can be detected. The process appears

to transmute nickel into copper and trace amounts of other elements such as zine. It will not work with deuterium (heavy hydrogen—but they don't know why. Now that we understand how gravity works we can understand how the e-cat generator works; it actually works by gravity wave excitation—Periodic Scaling (see next page) liquid hydrogen is the most effective super-coolant. The corkscrew-style electromagnetic gravity waves—from the hydrogen clus hen excite the intellection of the fuel is not the such as the proper proper in the contraction of the rickel at long causing the nickel to get hoter. The hydrogen fined then sucks-in more hear from the nickel and radiates more gravity waves that again bombard the nickel, so of the fuel is more hear from the nickel and radiates more gravity waves that again bombard the nickel such as the nickel is constrained by energy transfer considerations.

FREE ENERGY? YES but it's not 'Cold Fusion'

The first two atomic orbital shells are offset by 90°. In this case, the neutron-negative occupies the first virtual orbital radius. The electron-orbital radius. The electron-this properties of the properties o



Here's the 'smoking-gun'; the E-Cat generator will not work with deuterium [heavy hydrogen]—because deuterium cannot radiate gravity waves

control cables x 5

Power mete

How to generate gravity waves, and free energy, using 'Periodic Scaling'

ambient heat and light

Hydrogen is the prime mover in the gravitational mechanism because it spins axially and autonomously and, hence, radiates gravity waves

neutrons in the helium atoms causing the helium atoms to spin axially in atoms will now generate and radiate helically polarized gravity waves, sucking-in ambient heat to fuel the gravity waves, again, sucking-in ambient heatto fuel the process. This sets up a chain reaction along the line each of the elements and align the containers in a straight line in rising atomic number order. How does it work? Gravity waves from the nydrogen atoms in the hydrogen container will bombard the container next in line containing helium. The nelically polarized electromagnetic gravity waves from the hydrogen container will act upon the spikedhe same direction. The helium process. In this way ambient heat is converted to gravity waves and more neat. Helically polarized gravity waves from the helium atoms will act upon the spiked-neutrons in the ifhium atoms causing those atoms to he lithium atoms will now generate and radiate helically polarized mover, activates every atom in the Fill each of 120 containers with one of containers, hydrogen, the primespin axially in the same direction.

Ccrium (Praesecdynium Neodymium) Promethium Berkelium Meilingjum Aluminium Manganese Rubidium Tantalum Astatine 85 Indign 43 Lutetium (Hafnium (H Krypton () Chromium 24 Cadmium (Hassium (Sodium (Magnesium Curtum (Polonium 84 150 Varradium Americium 95 Bohrium (Bismuth 83 Bromine 35 Silver 47 Unumeranium (Unumeranium) Thulium (Friterbium) Paladium Seaborgium Plutonium (Selenium (Titamium 22 Neon 10 25g Ununoctium 118 Thallium () Neptunium 93 Barium (Enthamum 57 Scandium (Rhodium (Arsenic 33 Fluorine Mendelivium Nobelium Laygacium Ruherfordium Dubnium Darmstading Roungening (Ununsburn & Ununspring) (Ununspring) (Ununspring) (Ununspring) Holmiym Erbium Ruthenium 44 Germanium 32 Mercury (Uranium (Oxygen 8 Calcium 20 Protaginium Technetium Cacsium (Potassium Nitrggen Gallium 0998 Molybdenum Dysprosium 66 Xenon 54 Platinum 78 Carbon Argon 18 Zinc 30 Thorium 90 Actinium (Niobium 41 Chlorine (Copper (Terbium (Iridium 77 S3 Boron Tellurium Zirconium 40 Gadolinium 64 Beryllium Osmium (Radium 88 Fermium (Sulphur 16 Nickel 28 (Einsteinium) Phosphorus Antimony Rhenjum Francium 87 Y 339m Europium (Lithium Cobalt Californium) heljum (Strontium 38 Samarium (Silicon 14 Radon 86 26g 205 Hydrogen

chain. Containers along the chain will become increasingly hotter and massive amounts of gravitational energy and heat will radiate from the end of the chain following atom 119, nunennium. [from FUTURESCIENCE—forbidden science of the 21st-century by Maurice Cotterell]

The E-Cat generator uses 'Periodic Scaling' to generate heat in the same way; the hydrogen fuel, used in the process, sucks-in ambient heat and converts the heat to gravity waves—that's why liquid hydrogen is the most effective super-coolant. The corkscrew-style electromagnetic gravity waves from the hydrogen atoms then excite the nickel atoms eausing the nickel to get hotter. The hydrogen fuel then sucks-in more heat from the nickel and radiates more gravity waves that again bombard the nickel. Some of the fuel is consumed in the process. This cumulative excitation continues until the availability of heatin the ambient air, and nickel, is constrained by energy transfer considerations. How to generate antigravity waves [phasor weapons systems]

Confidential

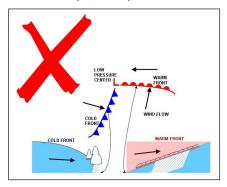
How to make water from hydrogen gas and oxygen gas

Work-in-Progress

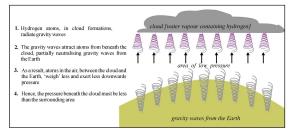
How to make hydrogen gas, and oxygen gas, from water using gravity waves

Confidential

How a low pressure weather system is caused



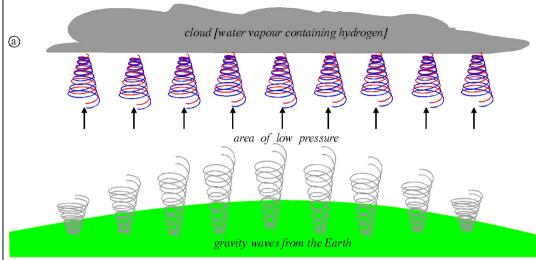
Now that we understand how gravity works we can understand how a low pressure weather system is really caused:



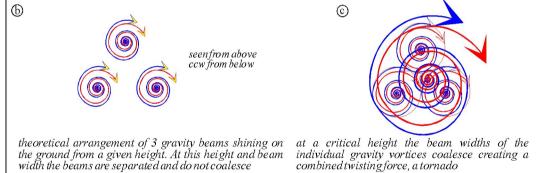
How to create a man-made tornado

Scientists do not understand how a tornado is made, because they don't understand how gravity works...

Hydrogen atoms, in cloud formations, radiate gravity waves which attract atoms from beneath the cloud—partially neutralising gravity waves from the Earth. As a result, atoms in the air between the cloud 'weigh' less and exert less downwards pressure. Hence, the 'low pressure' beneath the cloud must be less than the surrounding area.



The development of a tornado depends upon the cloud density, the humidity and temperature of the air <u>and the height of the cloud from the ground</u>. When gravity vortices touch each other they coalesce to create a common centre of rotation and attractive force



a beam of gravity waves, generated by an orbiting satellite, could short-circuit gravity wave beams from rain clouds, providing the critical mass to create a tornado

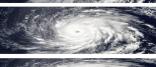
Tigure 19. 20

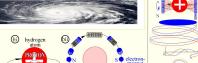
The cause of double-spiral cloud formation in Hurricanes



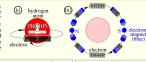
Scientists do not understand why the cloud formation of a hurricane follows a double-spiral pattern—because they do not understand how gravity works. Now that we understand how gravity works, it's easy to see why:

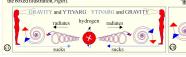






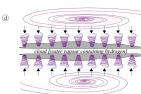
There are two types of gravity wave; gravity waves that travel towards the observer are known as GRAVITY waves. Gravity waves that travel away from the observer are known as YTIVARG waves. The two are separated by 180° because of the way they are generated inside the hydrogen atom (see the boxed illustration, right).







(bii



Hot evaporated sea water, 5° - 20° eitherside of the equator, creates cloud that radiates GRAVITY and YTIVARG waves that coalesce and aggregate into spiral gravity vortices, above and below the cloud. Low pressure beneath the cloud sucks-in more cloud and a double-spiral hurricane cloud pattern adopts the pattern of the vortices. As more cloud is sucked-in the amount of GRAVITY and YTIVARG increases, accelerating the process. Heat from the ocean feeds the hydrogen atoms creating more and more GRAVITY and YTIVARG. When the disturbance reaches land the input temperature falls, depriving the hydrogen atoms of input energy, reducing the amount of GRAVITY and YTIVARG and the strength of the hurricane.

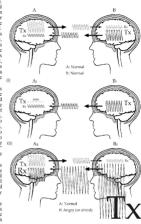


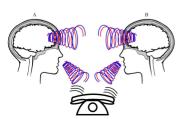
Subject A generates electrical impulses (thoughts) These electrical signals, in common with any electrical activity, radiate into space. The thoughts of A are shown as Tx (transmit). This electromagnetic wave, under normal conditions, travels from the brain of A. The bone and tissue of A reduce the level of the radiated signal Subject B is in turn bombarded by this same wave from A. but the tissue and hone of B further attenuate the wave. so that by the time A's wave reaches the brain of B it is very weak (denoted as Rx. the received wave, inside the head of B) The received wave is below the level of B's own brainwayes, and hence A's weak wave is lost. submerged in the 'noise' of B's own thoughts. For B it is like attempting to distinguish a faint whisper inside a room full of loud music. The same would be true for the radiated thoughts of B which impinge on A.

(i) shows that subject Ai has learned to switch-off his brain completely, subject Ai therefore does not radiate any electrical activity. This is possible through mind control (meditation) which, with practice, emptise the mind of all thoughts. At can now read the thoughts of whose brain activity levels are low (compared to humans) are able to detect the thought of their owners, and also why they are said to be ablect "sense fear Italias explains why all scientific experiments, seeking to understand telepathy are doomed to fainter because the understand telepathy are doomed to fainter because the whole the product of the brain, which clarily precludes participation in the level which clarily precludes participation in the

(ii) shows another other condition where telepathy is possible; clearly, if the brainwave of Bii can be amplified, then Bii will transmit a much larger signal than normal. By the time it reaches the brain of Aii it will still be a 'louder' level than Aii's own brainwaves, and Aii will be able to detect the thoughts of Bii while fully conscious

There are two ways to <u>force</u> Bit to amplify the electrical signals within his own brain, having done this the thoughts of Bit can be detected (his mind can be read). The first way is through fear, the second through anger. To read the thoughts of others it is necessary only to make them angry.





Now that we understand how gravity works we can understand how telepathy works; normally, the relatively low frequency of brainwaves prevents them from traveling more than a few metres through space, however, brainwaves modulate the radio frequency of gravity waves, given-off by all humans, allowing them to travel thousands of miles. They also bombard telephone handsets and are thus carried over the international telephone networks. Have you ever thought of someone and-just then-the phone rings? telepathy

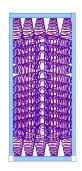
Gravity wave Barrier

How does it work?

- 1. Hydrogen atoms, in raindrops, radiate gravity waves
- 2. Flies see in the ultraviolet range-they can see gravity waves
- 3. Raindrops injure or crush flies
- 4. In order to survive, flies avoid raindrops







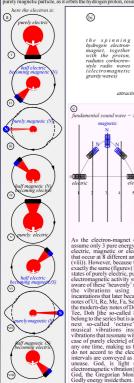
The loop of 1"plastic pipe is filled with water that radiates gravity waves. Flies avoid the gravity wave barrier to avoid injury from raindrops.

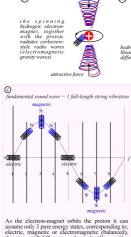
[note; works best with mosquitos and tiny flies]

Uses: Gravity wave barriers could be fitted to factory-sealed double-glazed door-frames and window frames; to isolate food preparation areas; to create fly-free medical hygiene zones, or; to ensure fly-free industrial clean-room process areas.

What is Music—why does some music make us feel good, and some music make us feel bad?

As the coil-shaped hydrogen electron orbits the hydrogen proton it slices through the electric field between the particles and a magnetic field is induced into the electron. The induced magnetic field then parties against the electric field, causing the electron to twist vertically. Hence, the spinning hydrogen 'electron-magnet' changes from a purely electric particle to a half-magnetic-half-electric particle, to a purely magnetic particle, as it orbits the hydrogen proton, resulting in 7 different electromagnetic states;





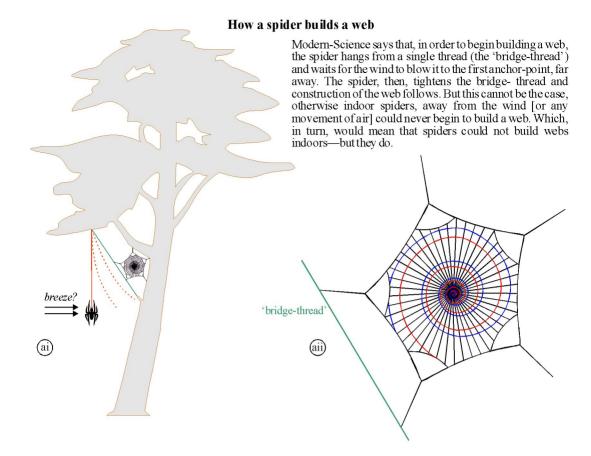


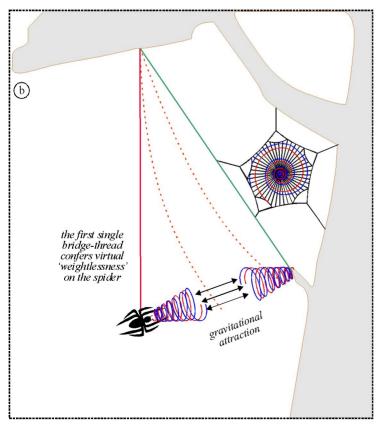


The ear converts vibrations into electromagnetic signals that impinge upon the brain, stimulating electromagnetic activity in 1/8 of the atoms in the body, at just the right time-like the pushing of a child on a playground swing—providing purely electric, or magnetic, or electromagnetic impetus to orbiting electron-magnets in those atoms, at just the right time. This results in variations in the amount of gravity waves produced by those atoms. Some music actually does make us 'heavier' [for trillionths of a second] and some music makes us 'lighter'; hence the expressions of 'light' music and 'heavy' music.

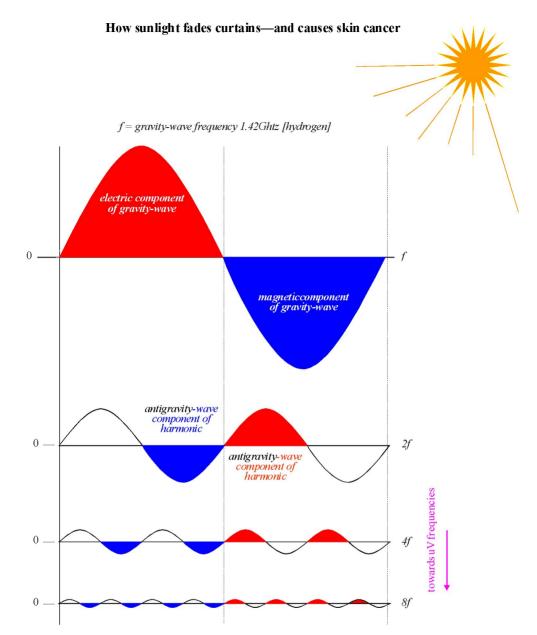
figure 23.







Now that we understand how gravity works, it's easy to see what's really going-on; the bridge-thread (red, and then green) confers virtual 'weightlessness' on the spider. Gravity waves from hydrogen atoms, in the water molecules inside the spider—and from the closest part of the tree—create a mutual force of attraction that draws the spider to the tree, although it appears that the spider is floating in the breeze; which explains why spiders do not need the wind to make a web indoors. Because the radials diverge, from the centre of the web outwards, the web produces an electromagnetic gravitywave spiral pattern [in the ultra-violet wavelengths that can be seen by the spider, which follows the pattern to construct the web spirals. This explains why the spider, in the 1973 Skylab experiment, was unable to begin building a web until it had taken a drink of water—the inferred conclusion was that the spider was dehydrated and 'too weak' to begin building a web. But that was the wrong conclusion; the spider could not generate enough gravity waves to begin building the web until it had been fueled with hydrogen, in the water.



simplified schematic for illustration purposes only

Fundamental gravity waves are comprised of many harmonics. Harmonic half-waves (in-filled, *as shown, above*) oppose the fundamental (f) gravity waves and, hence, amount to 'pulses of antigravity-radiation'. Antigravity radiation, in the unltraviolet (uV) wavelengths*, has the ability to decouple molecular bonds in hydrogen-containing matter, causing the molecular disintegration of that matter; which explains why uV radiation, from the Sun, causes the molecular disintegration of curtain fabric (drapes)—over long periods of time—and why it causes the molecular disintegration of living tissue (skin cancer).

^{*}note; Science Daily (January 7, 2011): 'the Orion nebula produces circularly polarized light [antigravity-radiation] at levels of 17% in the infra-red wavlengths. It is calculated that it also radiates in the ultraviolet, radiation which is able to break the [gravity] bonds between the atoms of ice molecules'.

How tree roots find their way to water

