

Quantum Gravity and Gravity Control

Lucian M. Ionescu

Abstract

Quantizing the qubit space, i.e. the $SU(2)$ gauge group, yields the Platonic solids as fundamental states. They correspond to triplets of flavored quarks, in duality. The structure of the positive electric charge of the proton, and of the neutral neutron in first approximation, is claimed to yield Gravity as a residual force. The ensuing breaking the isotropy symmetry allows for the use of Dynamical Nuclear Orientation to control the gravitational potential and hence inertial mass, the corresponding effective charge. This Gravity theory in a thermodynamic formulation was first proposed and tested by Dr. Frederick Alzofon in the 1980s. The above foundations based on the SM were added only recently by the author. Moreover, the current Standard Model gauge group $U(1) \times SU(2) \times SU(3)$ is just a “blow-up” of the local parameterization of $SU(2)$ viewed as a Hopf fibration (see Piotr Zenczyhowski, Elementary particles and Emergent Phase Space). This approach leads to a true unification of “fundamental” interactions. The ppp presents the main idea in a simple and intuitive way. For additional insights see the author’s recent preprints.

Quantum Gravity and Gravity Control

Prof. Dr. Lucian M. Ionescu
Department of Mathematics
Illinois State University, Normal, IL

Please support Kickstarter Project *Gravity Theory and Control*:

<https://www.kickstarter.com/projects/virequest/62358340/edit/preview>

VIRequest – [Gravity Project](#)

Take Home Content

- Theory:

- 1) **Standard Model's CHARGES**: there is “room” for Gravity!
- 2) *Newton's Gravity* has a Lorentz “update”: **GravitoDynamics**
- 3) A **Unified Field Theory and Dynamics**

- Practice

- 1) **Experimental confirmation of GravitoDynamics** and of Gravity Control via **Dynamic Nuclear Orientation**
- 2) Modern (non-classified) and Ancient **Implementations of Gravity Control** (Searl, Grebennikov etc.)

To Do List (Homework): Learn, Experiment, Develop ...

Part I: Theory and Experiment

- EM/G Charges have structure in Standard Model
- Gravity emerges as a deformation of Electroweak Theory
- A Relativistic Unified Field Theory is at hand ...
- Experiments: Alzofon (1970's) and ... (1990's)

EM CHARGES Have Structure!

(This is the Main Point)

- Protons $p^+(uud)$ and Neutrons $n^0(udd)$ are made of quarks: up u and “down quark” d .
- **Elementary CHARGES**: $Q(\text{up})=+2/3$ & $Q(\text{down})=-1/3$
... that's it! [Antimatter: ONLY in high energy processes]
- **Quark Flavors correspond to Platonic Symmetry / Solids**; up/down flavors correspond to Tetrahedral Symmetry [TOI groups & fundamental geometries]
- Matter constituents p^+ , e^- , n^0 have **Unified Vector Fields** of INDEXES: $(++-)$, $(---)$, $(+--)$
- The mutual interactions yield EM and Gravity!

A brief recap ...

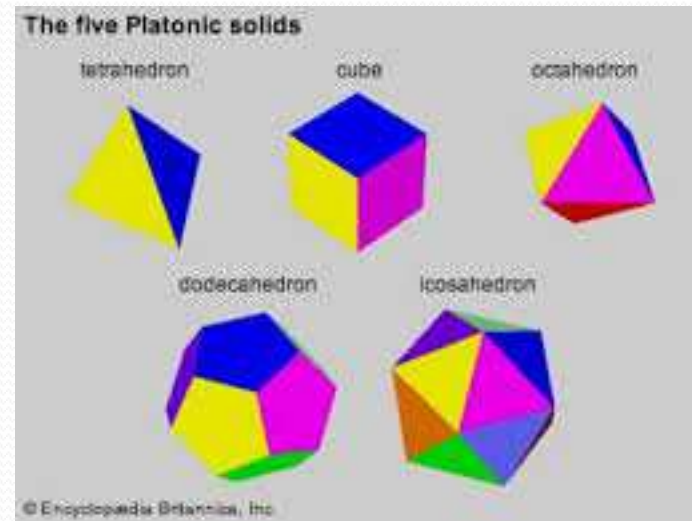
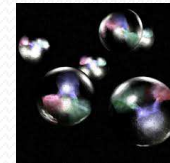
- Reality is **discrete** (quantum); matter is made of **atoms** ... which are made of **electrons** and **protons/ neutrons** ... electrons and protons have “electric charge”, but:
- **Electron's charge** is NOT point-wise (it's a “cloud”)
- **Proton's charge** is 3-dimensional and fractional, and *DOES NOT COMPENSATE THE ELECTRON'S CHARGE COMPLETELY*: a small difference (for them) with huge consequences (for mankind):

GRAVITY Emerges!

Quark Flavors and Nuclei

[see Moon's Model and Norman Cook : another story!]

- Picture $p^+(uud)$ and $n^0(udd)$ as 3D-bubbles, and e^- as an orbital cloud rather than a point!



- *Nuclei* have Face Centered Cubic symmetry, and grow like crystals, with *various orientations of the G-axis* .

Why Gravity Emerges

[Einstein's Ricci Tensor vs. VF Index]

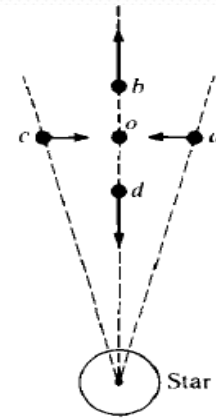
- GR uses *deformations of the metric*:

$$\text{Ric}_{ij} - R g_{ij} = G T_{ij}$$

["departure from a conformal metric is due to anisotropy of matter"]

The modern interaction theories (QFT) use *propagators*.

- The "*Elevator justification*" of using Ricci tensor can be repeated for p^+, e^-, n^0 and *Gravity emerges* as a deformation of EM (skipping details: see upcoming article):
 - $p(\text{uud}) = \frac{2}{3}(+, +, +) - (0, 0, +)$ (Perturbation of Coulomb field)
 - Hence $p_{\text{SM}} = 2p_{\text{EM}}^+ - g_{\text{XYG}}$ (EM and Gravitation fields)as anticipated by Paul LaViolette's *Subquantum Kinetics*.



Neutron, Electron and ... is the Neutrino related to the Graviton?!

- Similarly, for the neutron:

$$n(\text{ddu}) = \frac{1}{3}(-1, -1, +2) = \frac{1}{3}(---) + (00+) = e^-_{SM} + g_{XYG}$$

reminiscent of the **Beta Decay** of the neutron:

$$n^0 \rightarrow p^+ + e^- + \nu_e \quad \nu_e \leftarrow -? \rightarrow g_{XYG}$$

Is there a connection between neutrino and graviton?

- The **Einstein's elevator analysis** of the interaction of three charges can be compared with the Ricci curvature picture of GR. Upon "zooming out" it yields a classical picture of a **Unified Vector Field** with the above mentioned types of indexes: (3,0), (2,1), (1,2) and (0,3).

From Electroweak to Qubit Model and beyond to Quantum Gravity

- So **Gravity is a deformation of the Electroweak Theory** (EM: $U(1)$ in Qubit Model $SU(2)$ with $SU(3)$ as “Galois Group” vs. Weinberg angle to embed $U(1)$ in $U_1 \times SU_2$), neutrino (fermion) looks like a candidate for the graviton (boson) ... what about massive bosons W, Z ?
- **Deformations of an $SU(2)$** theory can be achieved by quantization in a direct manner: FINITE subgroups (Doubles of the Platonic TOI groups) and via Drinfeld doubles ... [Project for next summer!]

... back to consequences ...

The Unified Field Theory

[Relativistic and “hiding” the SM quark structure]

The “zoom-out” of structure of charges, suggests an easy **relativistic Unified Field Theory** results mathematically:

- The **Unified Field** has sources of indexes (3,0), (2,1) ... (0,3);
- The field of moving charges (currents) are obtained via a Lorentz transformation: magnetism B (due to E) and a Coriolis/Magnetic-like field C (due to G);
- The **test probe dynamics** in such a Unified Field satisfies **Newton-Lorentz Force Law**:

$$F_{\text{Newton-Lorentz}} = (E+iG) + V \times (B+iC)$$

where the Lorentz transform of the Gravity part yields an analog of magnetic field C: Gravito-Dynamics!

[Complex structure “i” extension: 1st order deformation parameter “h”]

The Unified Field

Non-Commutative “Coulomb” Law

A **pair** of Unified Field sources of general indexes Q (like p^+_{SM} and n^o_{SM}), produce a static (charge at rest) field force F_{UF} satisfying a **non-commutative Quantum “Coulomb Law”**

$$E_{UF}(Q, Q') = \frac{1}{r^2} \int_{SO(3)} Q * UQ' dU, \quad Q * Q' = qq' + G [Q, Q']_{SO(3)}$$

where Q, Q' are matrices representing charges (so_3 Lie algebra generators/”quarks”), **averaging over directions** U .

It is a **deformation of the commutative product** of EM-charges $q = \text{Tr}(Q)$ (like e^-_{EM} and p^+_{EM}) with G the **Gravitational coupling constant as a deformation parameter**

The $Q * Q'$ two terms are EM and G forces [Rel. mass / Q TBD]

The Main Point: Directions!

This NC-Coulomb Law assumes “chaotic” orientations of the nucleons in matter; i.e. for two bodies with N and N' number of nucleons, the UF total force is a double sum over nucleons n_i and n_j :

$$F_{UF} = \text{Sum}_{ij} 1/r^2 \langle Q_i | U_{ij} | Q_j \rangle$$

where the Coulomb Law term plays the role of a propagator in QFT [$1/r^2$ is the usual Green function].

When *averaging over directions*, it should yield the usual two forces E_{EM} (Coulomb) and F_G (Newton):

$$E_{UF}(Q, Q') = \frac{1}{r^2} \int_{SO(3)} Q * U Q' dU = E_{EM} + F_G$$

[The matrix Q should be a combination of charges and quark masses ...]

Note on the History

Looking “back” and studying prior attempts, I came across **Franz Maria Ulrich Theodor Hoch Aepinus** (1724-1802) who suggested that the *attractive forces between two uncharged bodies might be very slightly greater than the repulsive forces, and that this difference might be the cause of gravitation.*

... It refers probably (n.a.) to the electric forces due to the negative and positive electric charges that otherwise occur in equal amounts, as a sum (neutral body); if so, he got it quite right!!

Part II: Gravity Control

- Experiments:
 - 1) Gravity Dynamics
 - 2) Nuclear Orientation
- Implementations

Experiment in GravitoDynamics:

Dezső Sarkadi, [Gravity between artificially moved masses](#)

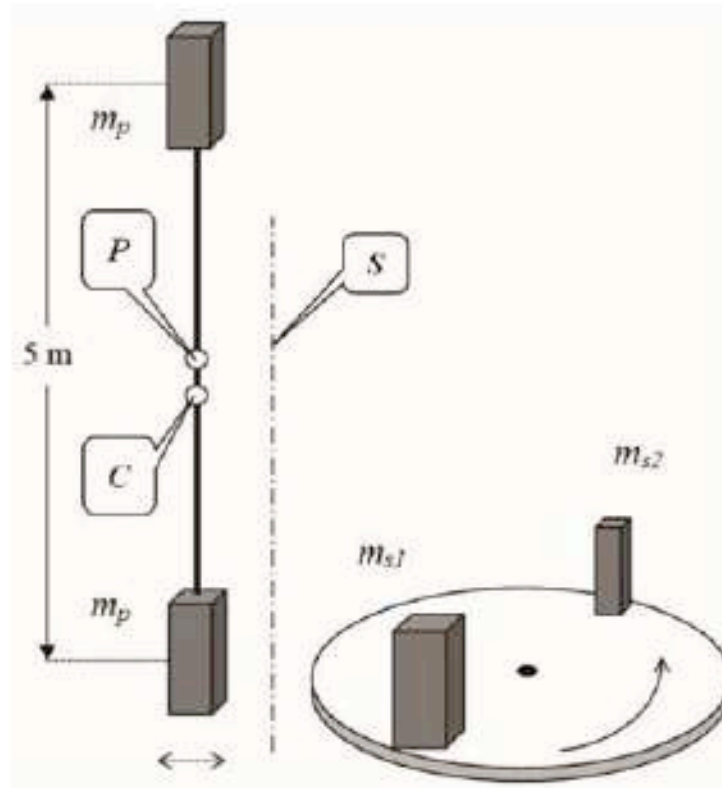
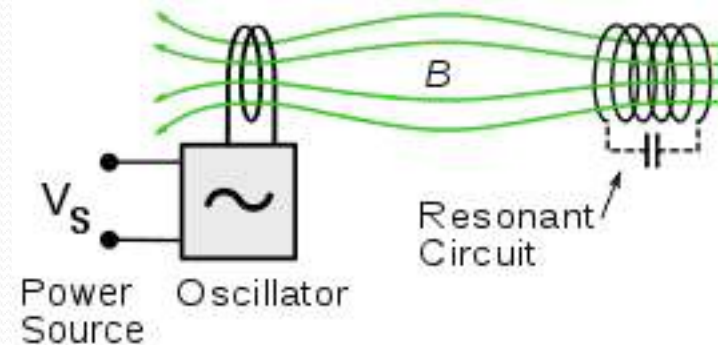
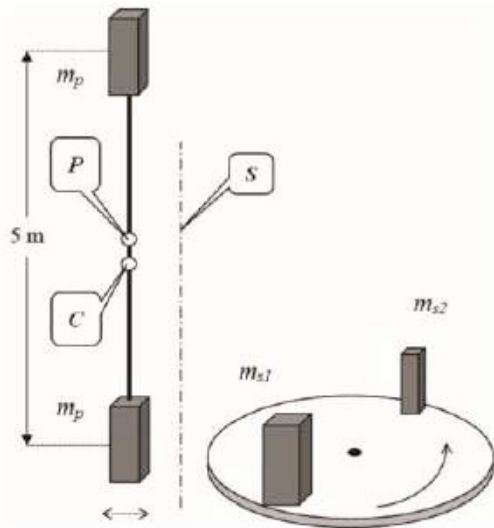


Fig. 2: Setup for a resonance measurement of the dynamic gravity (P : pivot of pendulum, C : mass center of pendulum, S : iron isolation plate, m_p : pendulum masses, $m_{s1, s2}$: source masses).

G vs. EM for Engineers!

The two resonant CIRCUITS can be effectively modeled for Engineering purposes using elements of circuit:
RLC-Model:



Take-Home Project: Reproduce the experiment! (Volunteers?)
[RLC-Theory for LAB Experiments: TBA @ next Conference!]

Experiments in Nuclear Orientation

(see Frederick & David Alzofon Theory for [details](#))

- F. Alzofon, Ph. D. advanced an explanation of Gravity Control since 1970s, based on the idea of **Dynamic Nuclear Orientation**.
- It is an “effective model”, without an explanation why orientation matters, yet TESTED and CONFIRMED in an experiment done in the 1970s [There are also critiques against, as always ...]
- The “effective model” treats Gravity Potential as heat potential (harmonic function), and suggests its *control via a microwave pulsing procedure, similar to cooling using a magnetic field.*

Gravity Control via Dynamic Nuclear Orientation (DNO)

- The explanation is now clear: the nucleons in a nucleus have a “fine energy level splitting” due to the anisotropy of charge: $n^0(udd)$ and $p^+(uud)$, which yields a “G-Force monopole” (preferred direction).
- The microwave pulsing excitation of a material, in a magnetic field is similar to the process in LASERs, leading to inversion of a population of states. Acts on the electron SPIN at Larmour frequency, and via spin-orbital-nuclear magnetic moment coupling, “tilts” the nucleus the “preferred” way [To the excited higher energy state], inhibiting the Gravitational component.

Experimental Confirmation

- Dr. Alzofon measured the weight decrease of an aluminum probe (with impurities), subject to microwave pulses of frequency, verifying that DNO allows to control gravity.
- The parameters used in the experiment were those recorded by a USAF airplane equipped with specialized measurement equipment, during an encounter with a UFO [see David Alzofon's book for details].
- The “[unbiased critique](#)” of David Prutchi, Ph.D. does not hold under a logic scrutiny.
- The “cooling model” is a good effective theory, but it needs input from **Theory of Nuclei** by [Dr. Moon](#) / [Jackson Earl & L.M.I.](#) and FCC model by [Norman Cook](#) – condensed matter / nuclear physics!]

Dia/Para/Pro-Gravitism ...

- Paraphrasing magnetic properties: dia/para/fero magnetic materials, susceptible of various levels of magnetization.
- Magnetization is due to a coherent, combined superposition of individual **magnetic moments of the individual electrons**.
- A similar behavior is expected from materials, with respect with DNO; some materials may become “permanent G-anisotropic” (Grabennikov’s story) and others require EM-field and Rotation (John SEARL), to **magnetic moments of orient nuclei**.

Further R&D regarding DNO

- An in depth understanding of DNO requires relating it with *magnetic resonance* (MRI)!
[See Carson Jeffries, Dynamic Nuclear Orientation; C. E. Byvik, *Spin-Temperature Theory of Dynamic Nuclear Polarization* etc.]
- A better knowledge of Solid State Physics is needed!
- Replication of Dr. Frederick Alzofon experiment is needed!! [but no “assuming”, “I believe” etc. towards “debunking” it; using a positive mindset and creative attitude]

Static versus Dynamic Orientation

- The two major techniques to achieve **nuclear orientation** are **STATIC** or **DYNAMIC**.
- They allow to build *Gravity Control Devices*, e.g. conform Grebennikov (“static”) and Searl (“dynamic”).

We will briefly look at **dynamic approaches to gravity control** involving **EM and G coupling**.

Due to ROTATION of mass (G-current) AND moving electric charges (E-current), they necessitate an analysis which is more complicated ... [not clear at this time!]

Coupling EM and Gravito-Dynamics

- For high powered space travel one needs to take advantage of the *coupling between EM and Gravity*.

- John Searl's Effect/Generator:

It is not yet clear to the author how it functions, but involves a **feedback loop** (over-unity aspect) and EM-G coupling.



- A. Chekurkov's Gravillade and Russel Anderson replica are recent similar versions:

Similarly, there probably is a feedback involved, together with the EM-G coupling (Conf. UFT charge structure).



Further “Speculations” and Historical Accounts of Levitation

There are “mixed” approaches to Gravity Control, not involving rotation and magnetic fields, achieving DNO via various “delivery methods”:

- Levitation via Acoustic Stimulation: Tibetan monks, Leedskalnin ... (etc.)
- Microwave excitations: **Hutchinson effect**, consisting of a variety of structural effects in materials, including levitation (unfortunately the lack of a scientific approach, led to a total lack of documentation AND impossibility to reproduce the effects on demand).

The Amazing Human Potential!

At a totally different level, i.e. non-technological, *gravity control seems to be attainable by humans* (forget Superman ☺), while in trance, meditation or when “getting in the Zone” (sportives, ballerinas etc.):

- Indian Guru / Yoga practitioners (not the cheaters);
- Magicians / mediums (D. D. Home etc.)
- Famous Saints (St. Cupertino etc.)
- Ballerina Anna Pavlovna; dancer Vaslav Nijinsky
- Basketball players: M. Jordon etc. (50” in play-mode)

Party Levitation: Is there “diagravitism”?

Diamagnetic materials are repelled by magnetic fields. Is there an analog for gravitational fields?

Let's follow Childress' AG book on **Party Levitation**

[Later in the evening, have fun too: any volunteers?] ...

- Orient the *Quadrupole* Human Antenna:
 - 1) 45° off cardinal points; 2) Alternating male / female.
- Polarizing / charging the subject:
 - 1) Stack hands on the head of levitee (L 1..4; R 1..4);
 - 2) Coordinator counts down: 10..1 (charging) the 4, place pointers under the armpits & knees, then lift.

Note: a recent attempt by the author failed miserably!
[see Uri Geller's demonstration on YT ...]

Magnets, Bloch Wall & uud Index

What is going on? First, the **FLOW** that is essential, is that of the **vector potential A** (its curl is B, the “M-force field”) ...

Next, it is worth studying the article by Richard Lefors Clark, Ph.D. on **Diamagnetic Gravity Vortexes**, in D. H. Childress’ book on A-G and world grid:

- Diagram 6, p.63: the **A-flow of the magnet** has a “broken 8” wave zone, and the directions of the flow at the critical point correspond to a **typical (2,1)-index type**, e.g. that of the (uup) of a proton ...
- Clark’s explanation alludes to several aspects regarding Gravity, mentioned earlier here, and related to the Qubit Model / Standard Model! ... (TBC)

Uri Geller's Handgrowing Demo

At first it might seem unrelated ... but we know unification requires “zooming-out”: opening our minds in order to “Open Our Reality” ...

- Uri Geller (and Kulagina, [Anastasia](#), etc.) demonstrated how to “ignite” a seed into sprouting a small plant, in his palm, without water or anything else ... visible ;)
- It is *shooting chi* through your fingers (Geller used his pointer); “[sword-fingers](#)” is such a Tai-Chi move (also [creating a chi-ball](#) etc. – see Robert Peng’s demos).

The Circle of Life!

[From Etheric A-flow to Qi=Q.Info. & Biofields]

- **Party levitation** works better if opening hands chakras (bubbling wells), and if YOUNG children are performing the experiment (even on old & heavy adults).
- Briefly, the **EM vector potential A-flow**, was the central concept in Maxwell's Theory (etc.).
Central in Aharonov-Bohm experiment (etc.).
What the ancient Chinese called chi, Japanese / qi, Indian Buddhists / prana, Christians / Holy Spirit etc.
- See L. M. Ionescu TESLA talks on "[Tesla waves](#), Biofields and Etheric Energy", 2013 & "Quantum Information, Tesla waves and Biofields", 2015 (!?).

... let's see its relevance to the Structural Cavity Effect ...

Back to Levitation: Bugs do it!

- Grebennikov used “Nature made cavorite” (H. G. Wells: term for a substance that negates gravity): wings of some beetles, building his “flying board”.
- The micro-structure of the wings seem to be essential for obtaining the effect.
- Grebennikov noted the Structural Cavity Effect as having health related beneficial effect (periodic structures like bee-hives etc.).
- The obvious conclusion: **A-flow control via lattices** (bee-hive, cloud buster, pyramid, bug wings etc.) enables to **Control Gravity**, directly (levitation) or via a device (board -> UFO).
- My Claim: it's due to **Static/Dynamic Nuclear Orientation!**

To Do List (“homework”)

- **Develop Newton-Lorentz Gravitodynamics** (Theory)
- **Reproduce the Gravity Induction Experiment** (Lab).
- **Experiment of Dr. Frederick Alzofon:** play with it!
[Relate with what Hutchinson is doing ... ?]
- **Experiments with SCE** (e.g. pyramid effect) and study the connection with A/qi-flow; effect on dynamic/static weight?
- **Train yourself!**
 - Investigate Shaolin Martial Arts for jump training techniques, accounts etc.
 - Study the effect of meditation on your abilities
 - Learn to “Get-in-the-Zone”!
 - Try replicating Uri Geller’s experiments!
- **Educate others & Network!**

Bibliography

[To consult for further details]

- L. M. Ionescu:
 - 2020 [A Unified Field Theory approach to Gravity Control](#),
 - 2019 [Qubit Model: A Platonic and Exceptional Theory](#),
 - 2011 [Super-symmetry, anti-gravity and free energy](#)
- [Frederick Alzofon](#) and David Alzofon:
 - [Gravity Control with Present Technology](#)
- See [Victor Grebennikov and Structural Cavity Effect](#)
- See [Hutchinson effect](#) etc.
- VIRequest – [Gravity Project](#) – [website](#)