

What is Gravity Modification?

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About



- Contributor:
 - SeekingAlpha.com
 - Huffington Post
 - LifeBoat Foundation
- Major discoveries:
 - $g = \tau c^2$ – massless, universal (a 1st in 300 years)
 - $G_i M_i = k_{iso}$ – gravitational coefficient
 - Expansion not due to dark matter
 - Probability v Randomness

Philosophy: Cannot Beat the Experts



- A 100,000 scientist after 100 years
 - Couldn't solve for gravity modification
 - Using their RSQ theories (Relativity, String & Quantum)
 - Whom am I to do better?

Philosophy: How to do it differently?



- Key is to use a different approach
 - Data Analytics
 - Look at Nature's data not other people's theories
 - Re-examine what Nature is telling
- Need to explain known phenomena while proposing new phenomena

Solomon's Experiment That Started This

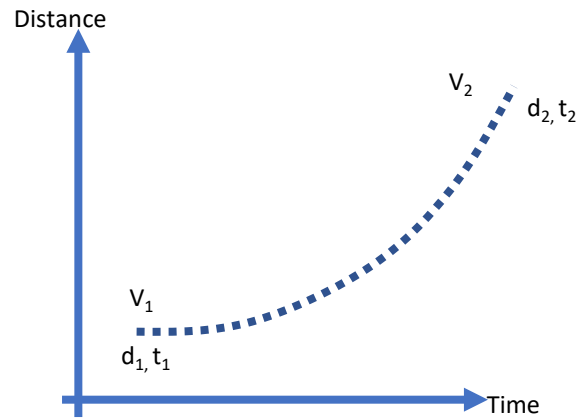


- XodusOneFoundation.org
 - Videos
 - Peer Reviewed Published Papers
 - Article Contributions
 - SeekingAlpha.com
 - Huffington Post
 - Lifeboat Foundation

Know What You See

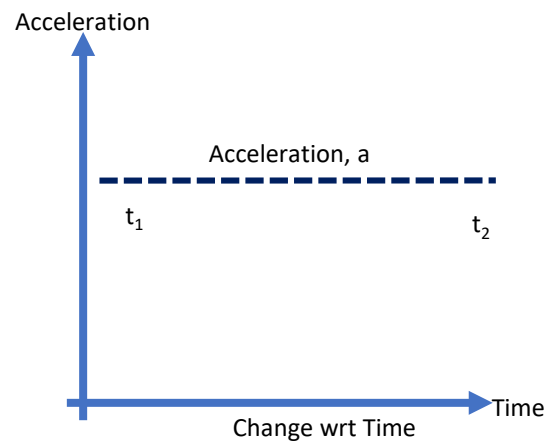
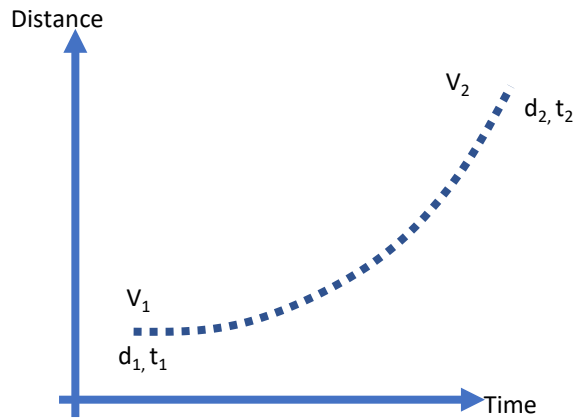
Data v Model

The Unseen: Hiding in Plain Sight



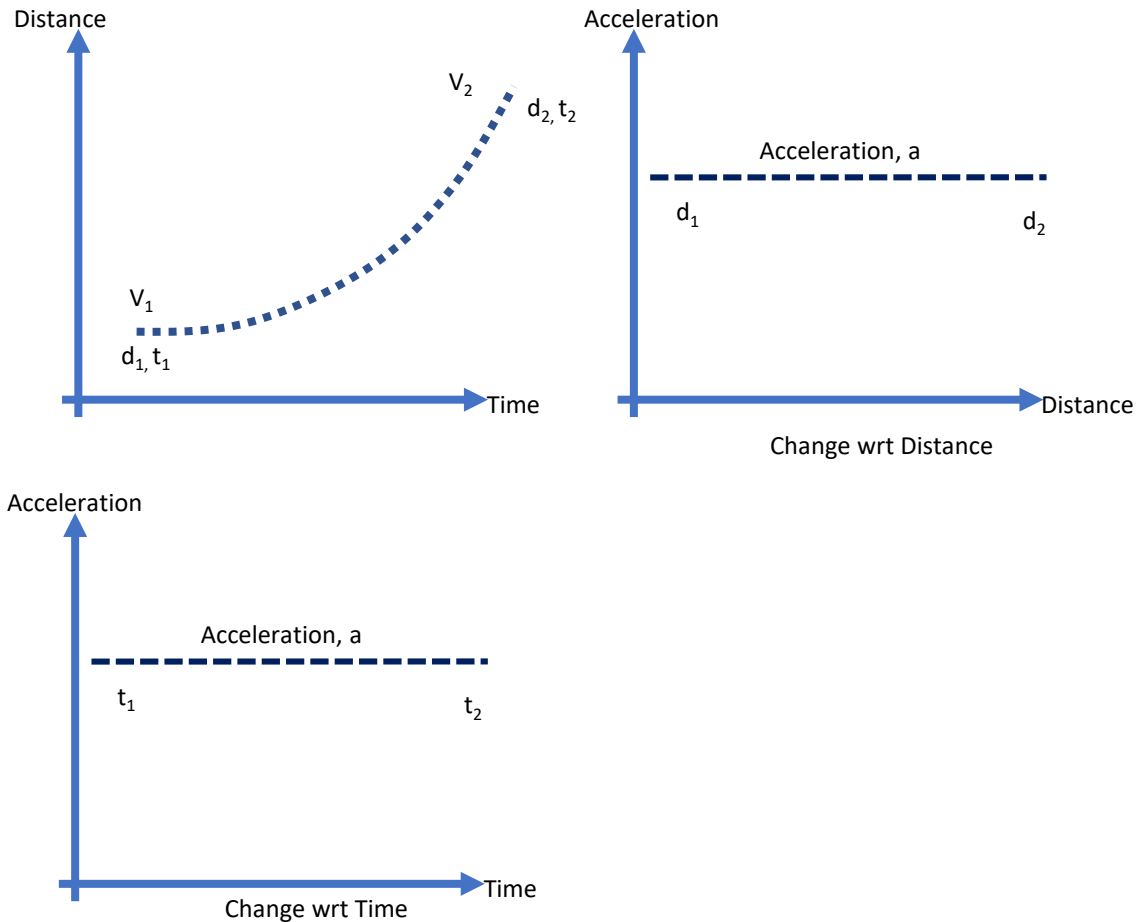
- What do you see?

A Temporal Gradient



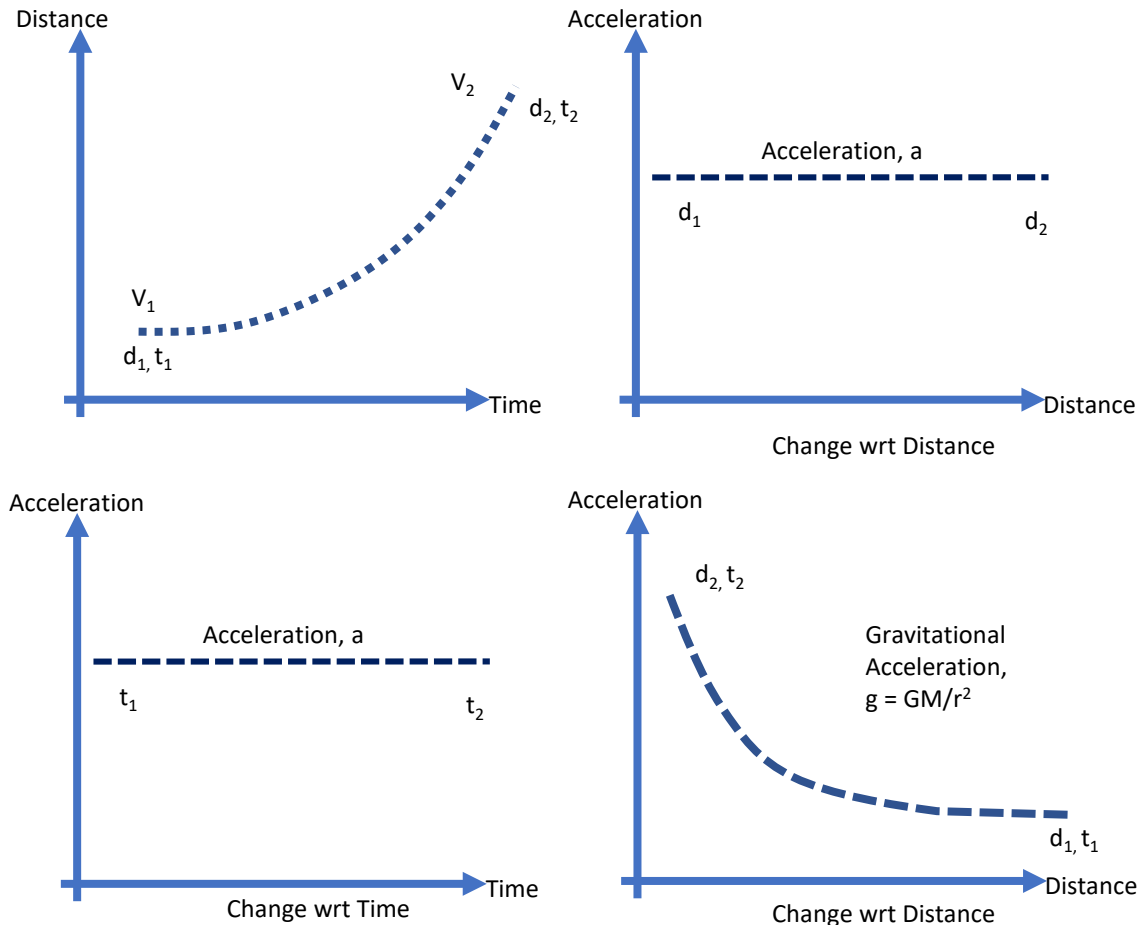
- What do you see?
- Acceleration is
 - the change in velocity w.r.t. time
- A Temporal Gradient

A Spatial Gradient



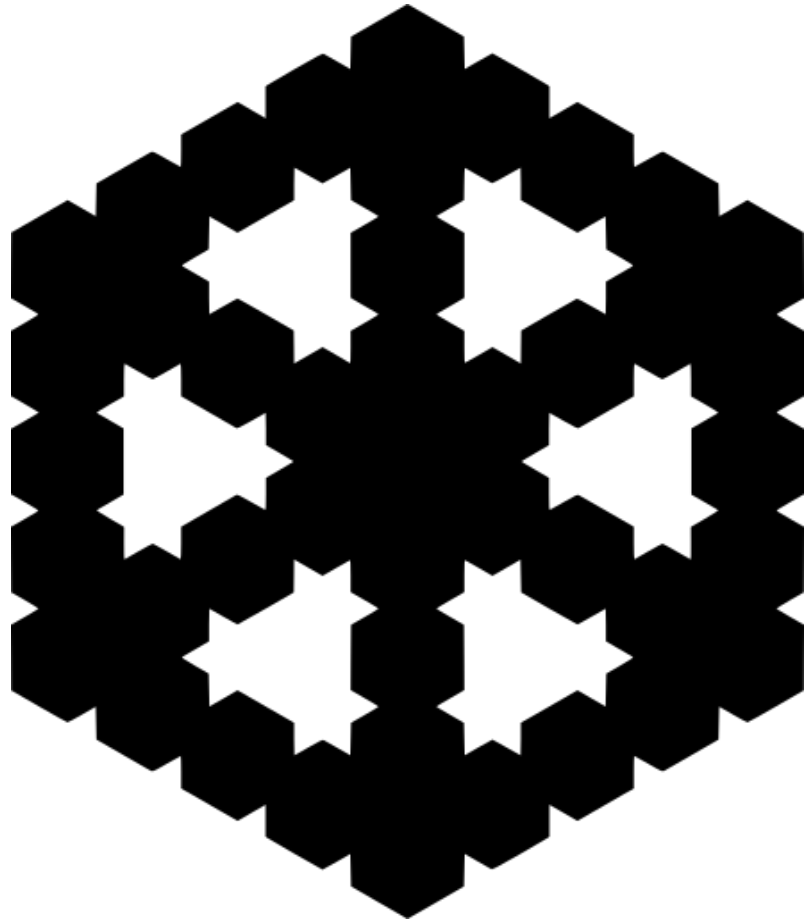
- What do you see?
- Acceleration is
 - the change in velocity w.r.t. distance
- A Spatial Gradient

Gravity is a Spatial Gradient



- What do you see?
- A Spatial Gradient
- Model Selection is Critical
 - Time v Spatial function

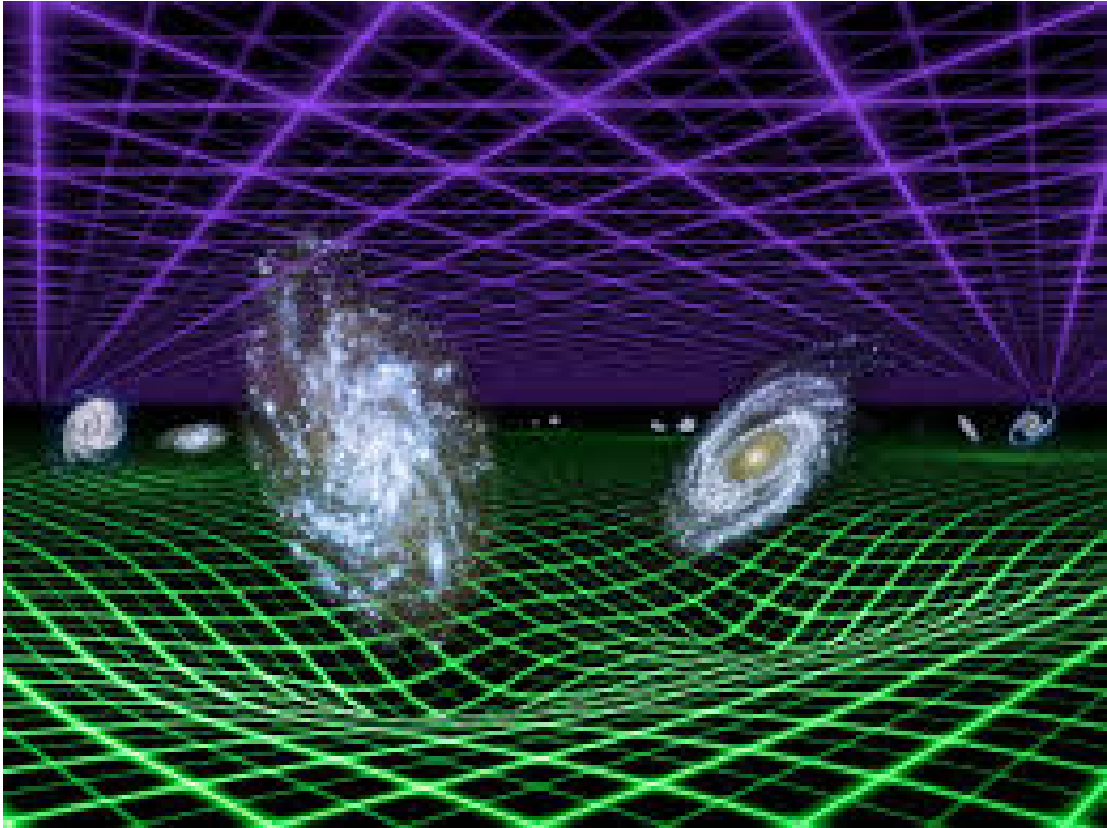
Mapping Phenomena Determines . . .



- How big is this snowflake?
- See what you know
- Know what you see
- Sabine Hossenfelder
<http://backreaction.blogspot.com/>

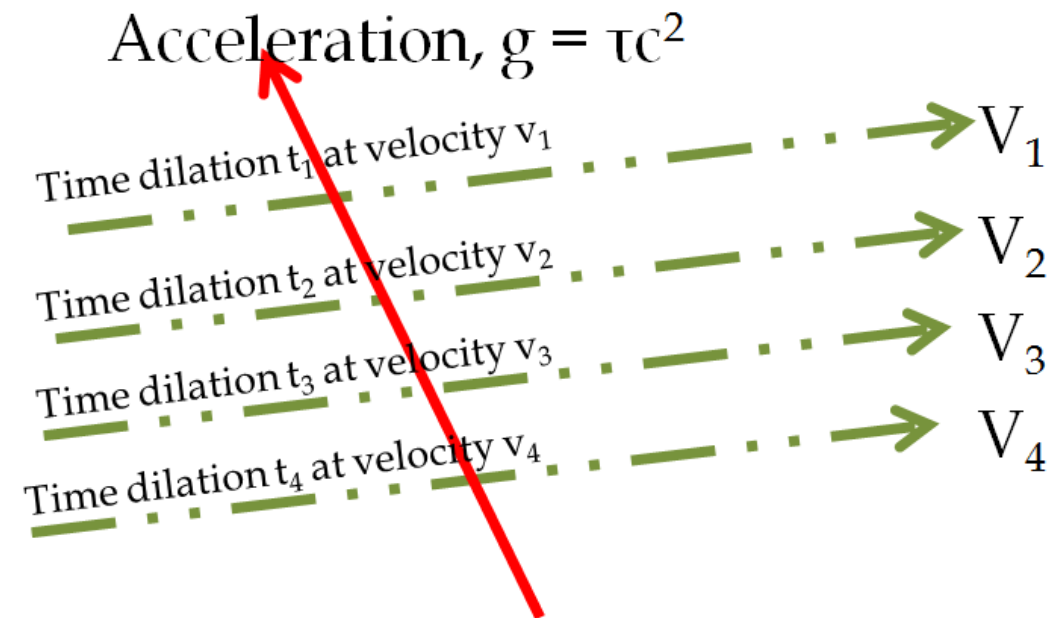
Some Fundamentals

What is Gravity Modification?



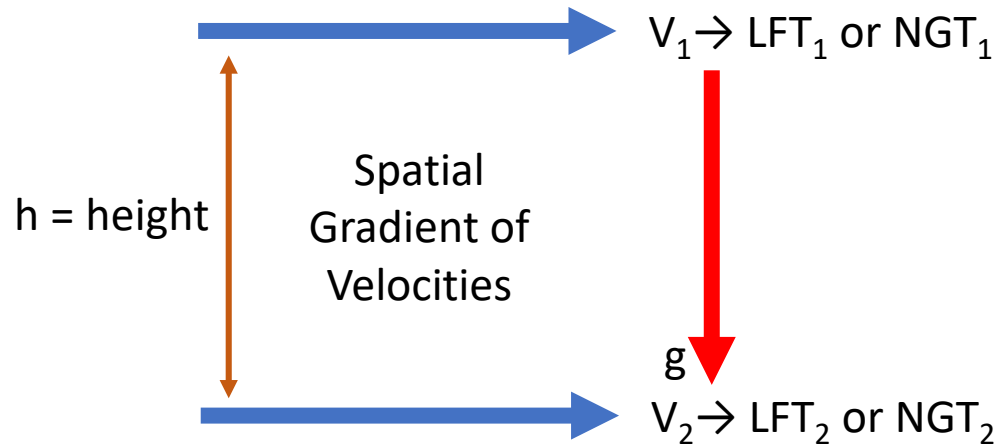
- Change in location requires 2 properties:
 - Vectoring: Which direction?
 - Modulation: How quickly?
- Gravity Modification is
 - the change in either or both,
 - of the local gravitational field.

Non Inertia (Ni) Field



- Gravity is a Non Inertia (Ni) Field
- Ni Field acceleration is governed by $g = \tau c^2$
- All macro forces exhibit Ni Fields
 - Unified by single equation
 - No additional theory require

Ni Field & $g = \tau c^2$



$$\tau = (\text{LFT}_1 - \text{LFT}_2) / h$$

$$\tau = (\text{NGT}_1 - \text{NGT}_2) / h$$

- LFT = Lorentz-FitzGerald Transformation,

$$\Gamma(v) = 1 / \sqrt{(1 - v^2 / c^2)} = x_0 / x_v = t_v / t_0 = m_v / m_0$$

- NGT = Newtonian Gravitational Transformation,

$$\Gamma(a) = 1 / \sqrt{(1 - 2GM / rc^2)} = x_0 / x_a = t_a / t_0 = m_a / m_0$$

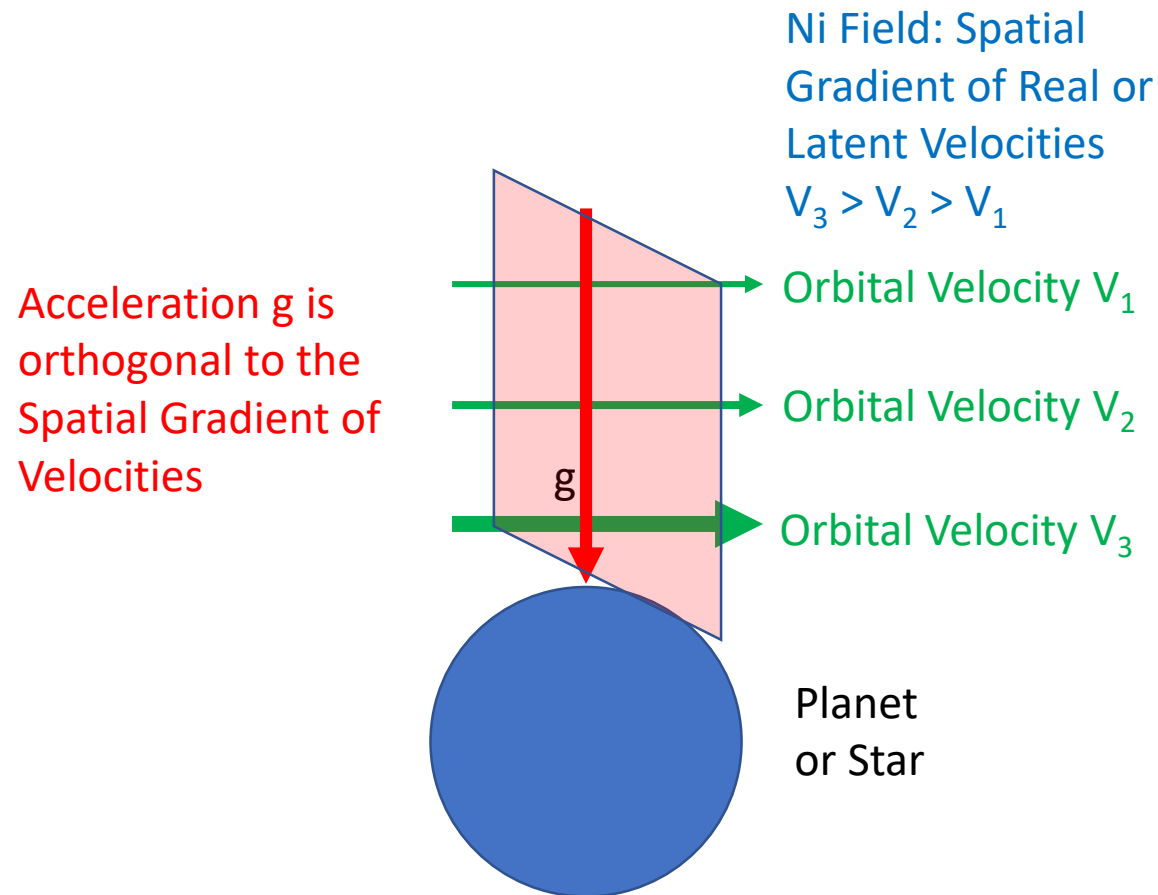
Surprise, $\Gamma(v) \equiv \Gamma(a)$

Object	Mass at Surface	Radius	Gravitational Acceleration	Gravitational Escape or Free Fall Velocit	Gravitational Time Dilation	Lorentz-Fitzgerald Equivalent Velocity	Velocity Error
			$g = GM/r^2$	$v_e = \sqrt{2GM/r}$	$t_v = t_\infty / \sqrt{1 - 2GM/rc^2}$	$v_f = c / \sqrt{1 - t_\infty^2/t_v^2}$	$v_e - v_f$
	M (kg)	r (m)	g (m/s ²)	v _e (m/s)	t _v (s)	v _f (m/s)	(%)
Sun	2.00E+30	6.90E+08	274.98	621,946	1.00000215195969	621,946	0.0000000%
Mercury	3.59E+23	2.44E+06	3.70	4,431	1.00000000010922	4,431	0.0000153%
Venus	4.90E+24	6.07E+06	8.87	10,383	1.00000000059976	10,383	0.0000018%
Earth	5.98E+24	6.38E+06	9.80	11,187	1.00000000069626	11,187	-0.0000080%
Mars	6.58E+23	3.39E+06	3.71	5,087	1.00000000014395	5,087	0.0000245%
Jupiter	1.90E+27	7.14E+07	23.12	59,618	1.00000001977343	59,618	0.0000002%
Saturn	5.68E+26	5.99E+07	8.96	35,566	1.00000000703708	35,566	-0.0000002%
Uranus	8.67E+25	2.57E+07	7.77	21,201	1.00000000250060	21,201	-0.0000005%
Neptune	1.03E+26	2.47E+07	11.00	23,552	1.00000000308580	23,552	-0.0000019%
Pluto	1.20E+22	1.15E+06	0.72	1,178	1.00000000000772	1,178	0.0001586%

- At any point in a gravitational field, LFT and NGT are equivalent
- Consistent underlying phenomenon

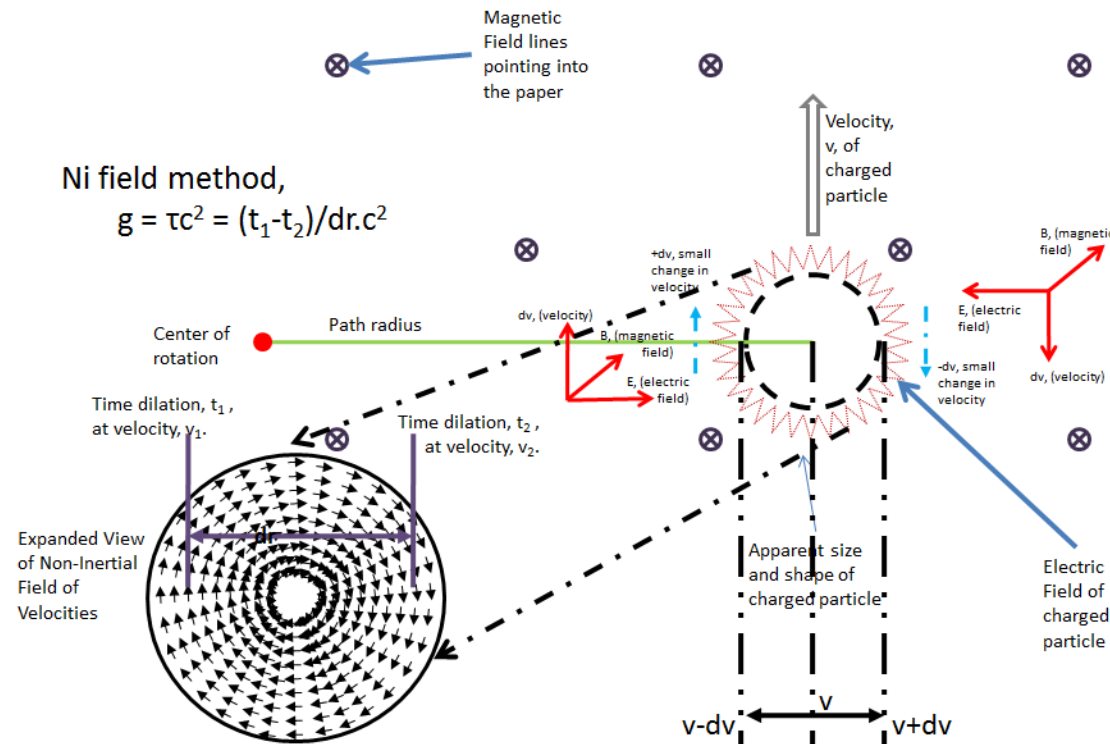
Universal Description of Macro Forces

Ni Field: Gravity



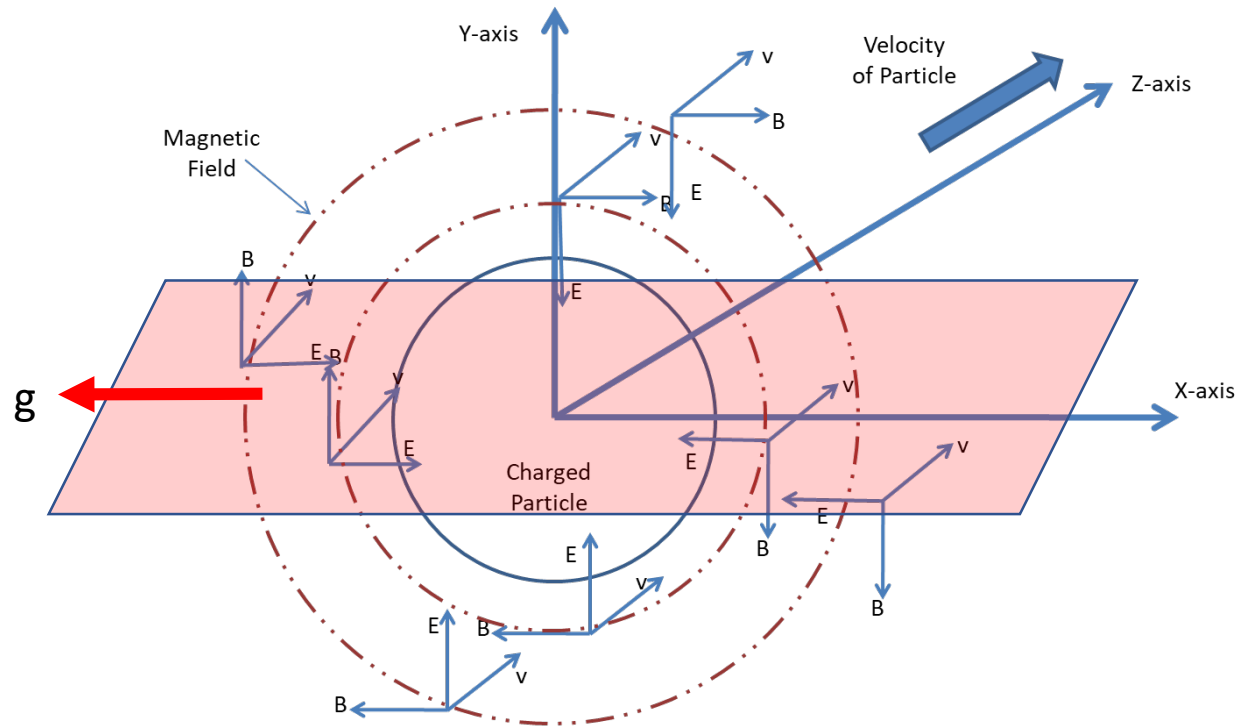
- Gravity exhibits a Ni Field
 - Spatial gradient of orbital velocities
- Acceleration g is
 - Orthogonal to the tangential orbital velocities
 - In the direction of increasing velocities
- Ni Field plane, the spatial gradient, is along gravitational acceleration

Ni Field: Electromagnetic



- Electromagnetism exhibits a Ni Field
- Electron moving in a magnetic field exhibits
 - Electromagnetic velocity
 - Mechanical velocity
 - Combined to produce a Ni Field

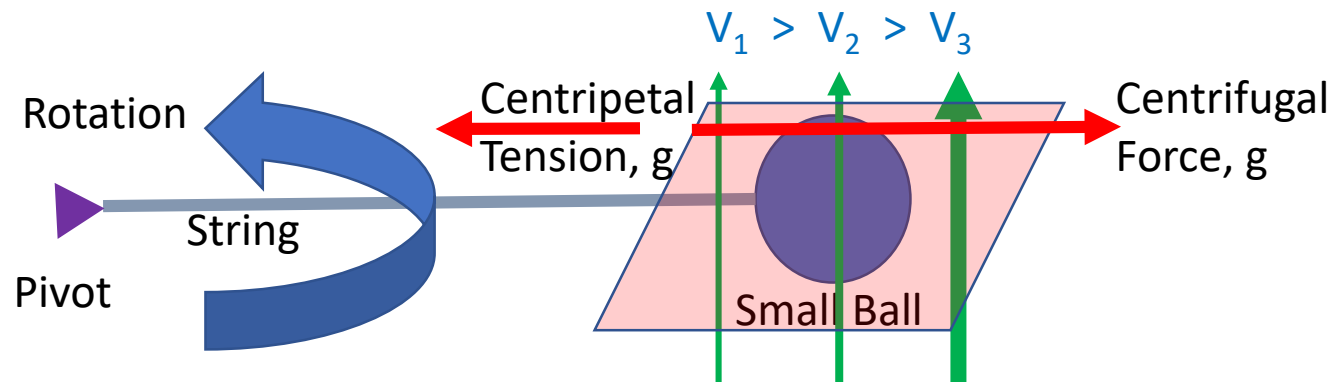
Ni Field: Electromagnetic



- Ni Field plane is along electron motion
- What is the electron doing?

Ni Field: Mechanical

- Mechanical motion exhibits Ni Fields



Comparing with Ni Field Results

TABLE (5). Acceleration calculated using current electromagnetic theory equation (29), centripetal method equation (30), the mechanical Ni field method equation (27), and the electromagnetic Ni field model equation (41).

Angular Velocity	Path Radius (m)	Tangential Velocity (m/s)	Particle Size (m)	Acceleration					
				Centripetal Method	Electro-Magnetic Theory	Mechanical Ni Field Method	Mechanical Ni Field Error	Electromagnetic Ni Field Method	Electromagnetic Ni Field Error
				Equation (30)	Equation (29)	Equations (11)&(27)	(27)-(30)	Equation (41)	(41)-(29)
68	9.85	669.8	1.00E-30	45,546.40	45,546.40	45,546.40	2.4033E-13	45,546.4000003409	-3.4E-07
127	4.07	516.89	1.00E-27	65,645.03	65,645.03	65,645.03	4.1720E-14	65,645.0300002925	-2.9E-07
149	5.01	245.49	1.00E-24	12,029.01	12,029.01	12,029.01	3.2700E-15	12,029.0100000120	-1.2E-08
198	6.13	600.74	1.00E-21	58,872.52	58,872.52	58,872.52	6.0000E-16	58,872.5200003546	-3.5E-07
148	4.75	703	1.00E-18	104,044.00	104,044.00	104,044.00	1.7090E-12	104,044.000000858	-8.6E-07
116	0.42	48.72	1.00E-15	5,651.52	5,651.52	5,651.52	9.6100E-15	5,651.5200000002	-2.2E-10
96	0.79	75.84	1.00E-12	7,280.64	7,280.64	7,280.64	3.3797E-12	7,280.6400000007	-6.8E-10
2	1.17	2.34	1.00E-09	4.68	4.68	4.68	6.0083E-12	4.6800000000	-5.1E-14
74	1.86	137.64	1.00E-06	10,185.36	10,185.36	10,185.36	2.1640E-14	10,185.3600000812	-8.1E-08
170	4.64	788.8	1.00E-03	134,096.00	134,096.00	134,096.00	7.4337E-13	134,096.000413369	-4.1E-04

- Ni Field ($g=\tau c^2$) results are exact
- A single equation $g=\tau c^2$
 - Unifies all macro forces
 - Without additional theory
- What are the implications for Quantum Theory?

Real World Experiments

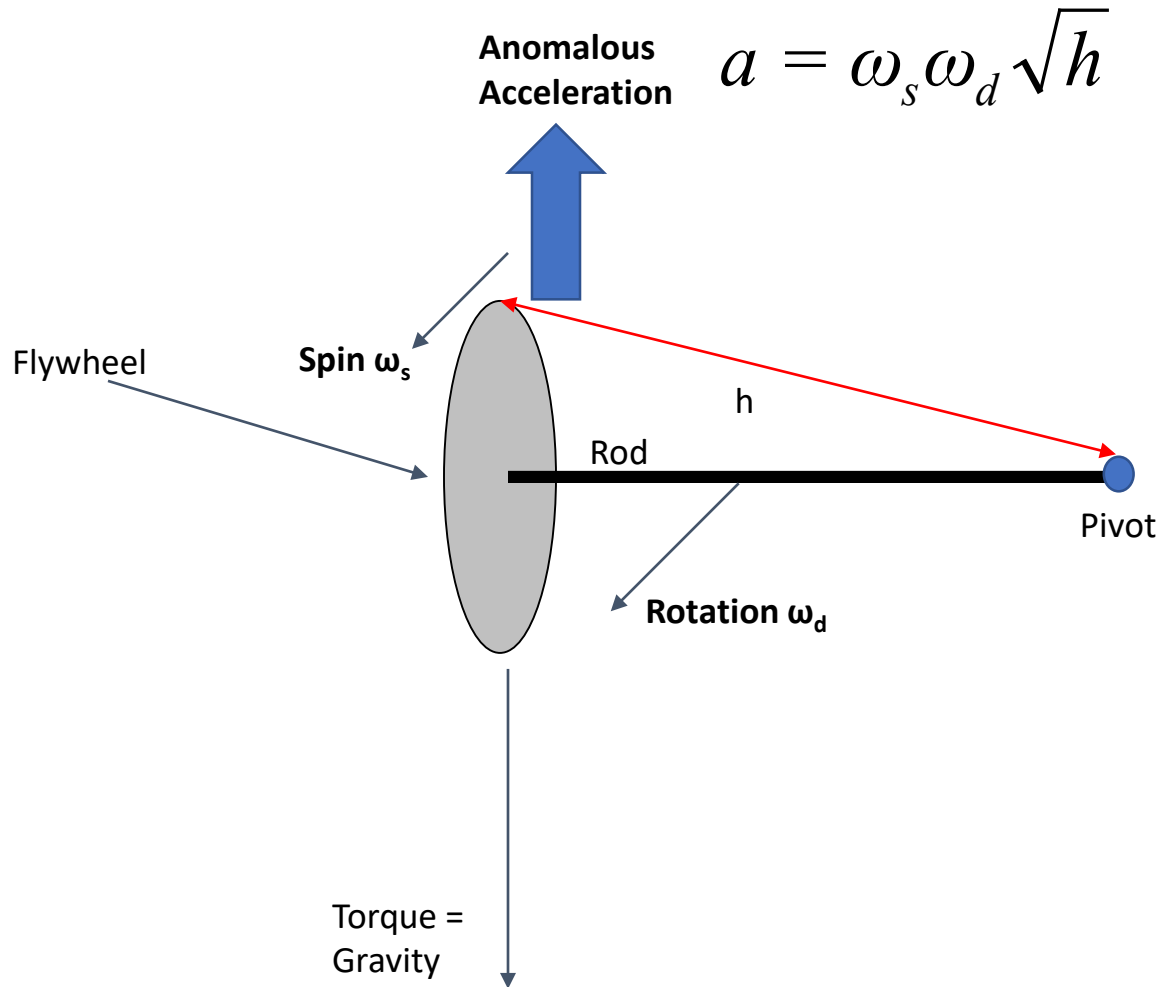
Laithwaite Demonstration

https://youtu.be/JRPC7a_AcQo



- Plug in the numbers to find out
 - Not gyroscopic
 - Not centripetal
 - Not conical pendulum
- Beware of critics that do not provide numbers. They are providing a disservice.

Laithwaite Effect



- Anomalous acceleration, a , present
- Solved using Ni Fields in 2009
- Direction depends on sense of spin and rotation
- Weight loss and gain

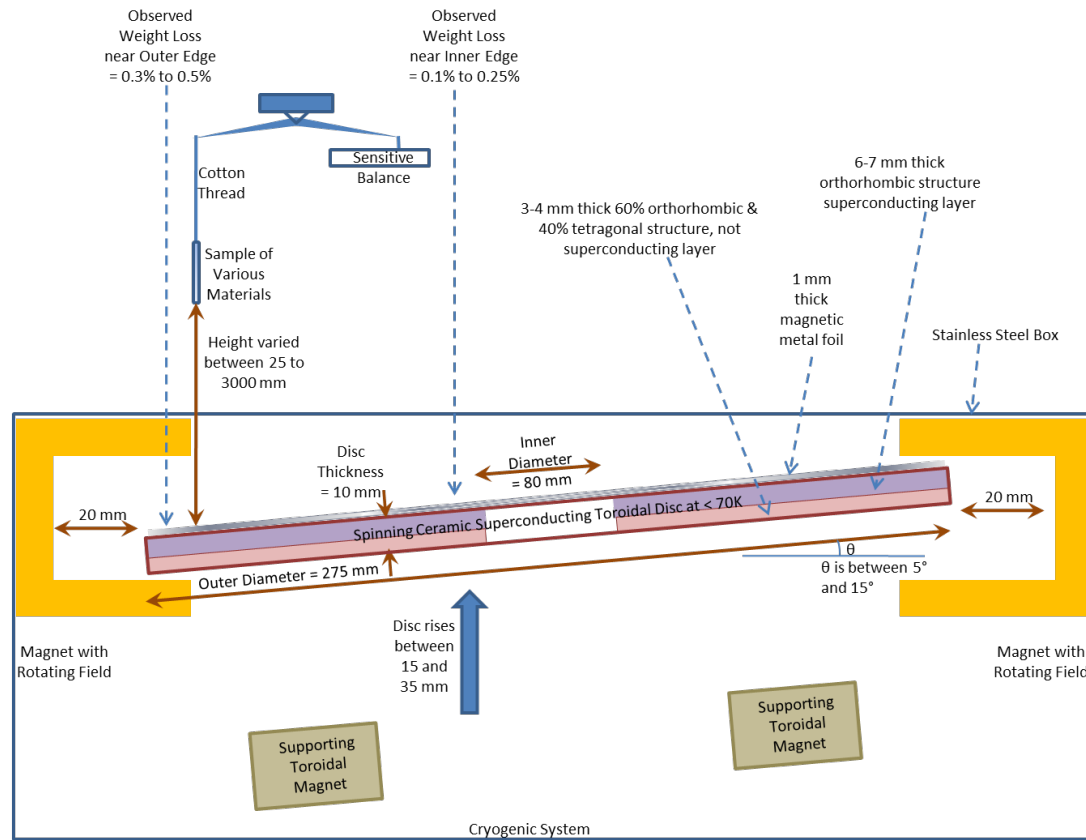
Rudderless Submarine

<https://youtu.be/k177OuTj3Gg>



- Gabriel Barceló Ricoavello of Advanced Dynamics C.B. Spain
- Mechanics is that of the Laithwaite's Big Wheel Experiment
- (Mins 5:11, 10:28)

Podkletnov



- Showed that an object above the disc would lose weight
- Also observed weight gain

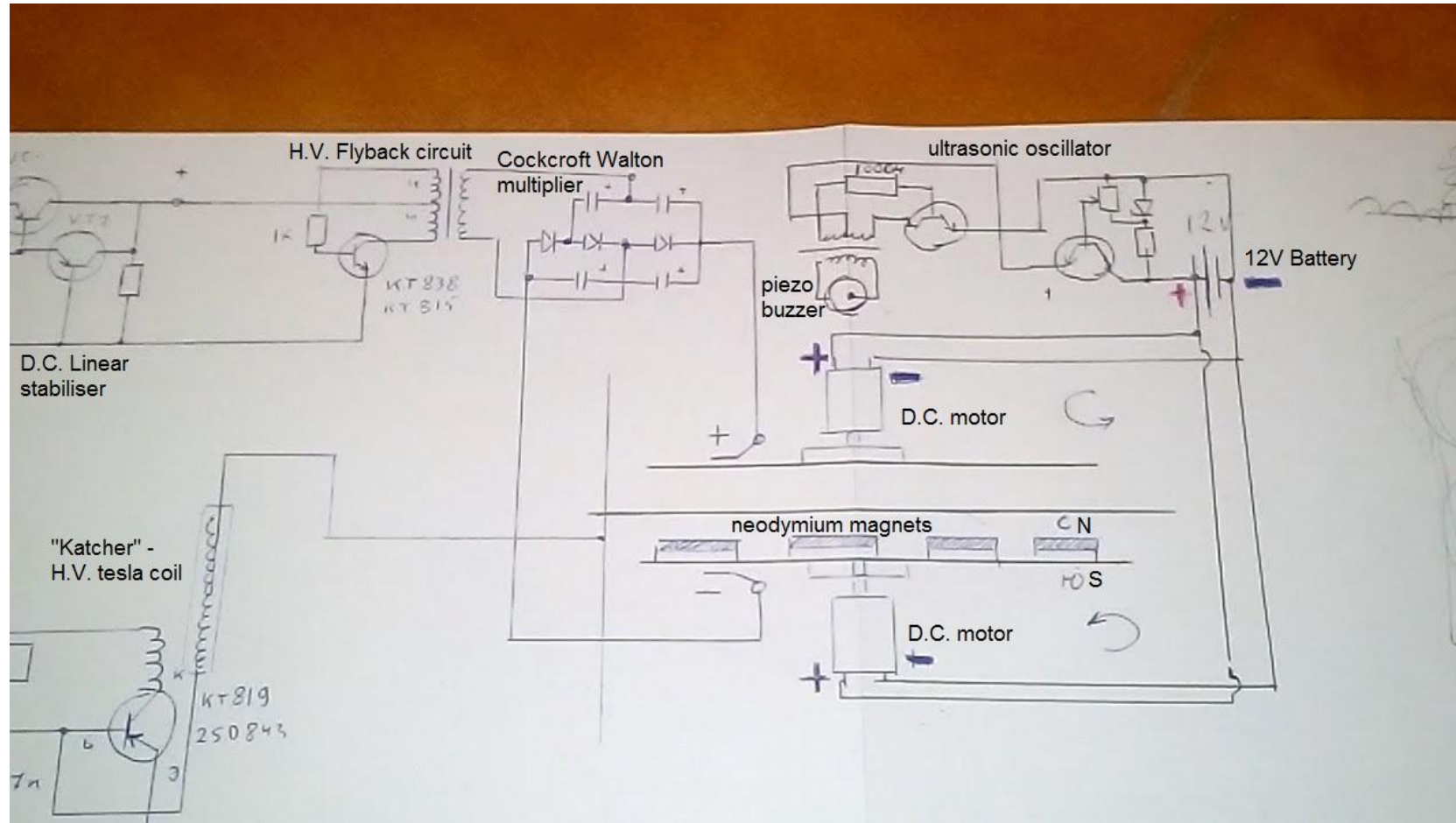
Chekurkov

<https://youtu.be/dJCC1Ks4BJ4>



- Demonstrated a simplified version of a Podkletnov-type device

Chekurkov's Schematic



Chekurkov 2nd Video

<https://youtu.be/Z-M55XP3D4A>



Mins 2:32

Final Word



- Gravity modification cannot deliver interstellar propulsion
- Alcubierre Warp Drive Theory
- Mathematical Conjecture

Thank You

Need volunteers to build prototypes

Next Session: Mathematics, Paradoxes, Engineering Design, . . . ?

Contact Information



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