The O'Connell effect in eclipsing binaries explained by mass related light speed extinction distances (LASOF) of stars and even planets.

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Abstract.

If the orbits of close binary stars are circular, and the light speed is NOT influenced by the speed of the stars, we have to expect that the light curves are symmetrical between moments of eclipse or even conjunction.

However, This is mostly not the case and still an ongoing debate in astronomy and called the "O 'Connell effect".

According to Quantum FFF Theory, however I assume that the local light speed around the stars is gravity related for a mass related distance from the source (star) called LASOF ellipsoid, (Local Asymmetrical Oscillating vacuum Frame)

As a result the so called O 'Connell effect can easily be explained as a logic result of additional redshift or blueshift by the local lightspeed variation.

At the same time also planets should show such lightspeed extinction effects, which is already measured but not understood by I.I.Shapiro (see "radar astronomy" edition by Evans and Hagfors, 1964).

As a consequence, Einstein's Special relativity rules do not hold.

Introduction.

If we look at the apparent magnitude of eclipsing binary stars we can discriminate two equally spaced peak magnitudes at point 0.0, 0.5 and 1.0 (fig 1).

This is always explained by the fact that the smaller star is mostly hotter (brighter) and the result is that if the smaller star eclipses (behind the larger star) the minimum peak is larger than the following peak, which is called the Primary eclipse.

The secondary eclipse and minimal magnitude peak is of course related to the opposite eclipse situation, that the larger star is eclipsing behind the smaller star.

The O'Connell effect is not related to this difference in magnitude but related to the difference of the apparent magnitudes in between the two minimal peaks, which makes the figure asymmetric.. See Figure:1.
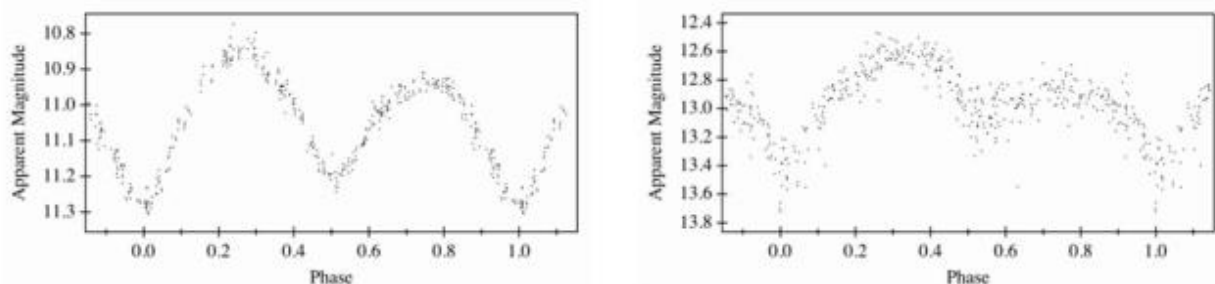

Figure 1 Two typical examples of apparent Magnitude curves of eclipsing binaries with asymmetric maxima and symmetric minima.

LASOF Lightspeed (c+/-v) extinction ellipsoid around massive objects as the origin of the anomalous Quasi Periodic Oscillations and the a-symmetric light curves called the O'Connell effect. According to Quantum FFF Theory.

LASOF: Local A-Symmetric Oscillating vacuum Field
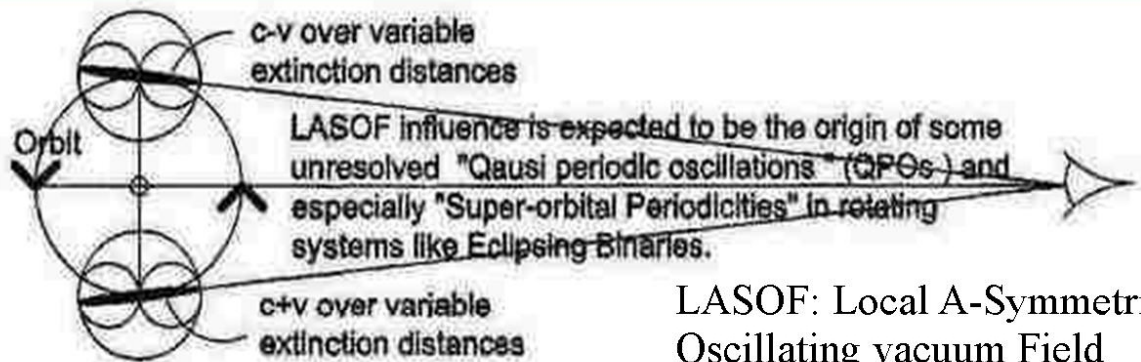
Eclipsing Binary Stars are observed to be alternating red- or blueshifted with a wobbeling redshift if passing in front of the other and called "QUASI PERIODIC OSCILLATIONS" (↘) Just like the passing of the SUN by VENUS (see I.I.Shapiro)

C+V

C-V

C-V

C+V

Extra RED
shift by C-V

Extra Blue
shift by C+V

Radial velocity curves
for HV2543 binary
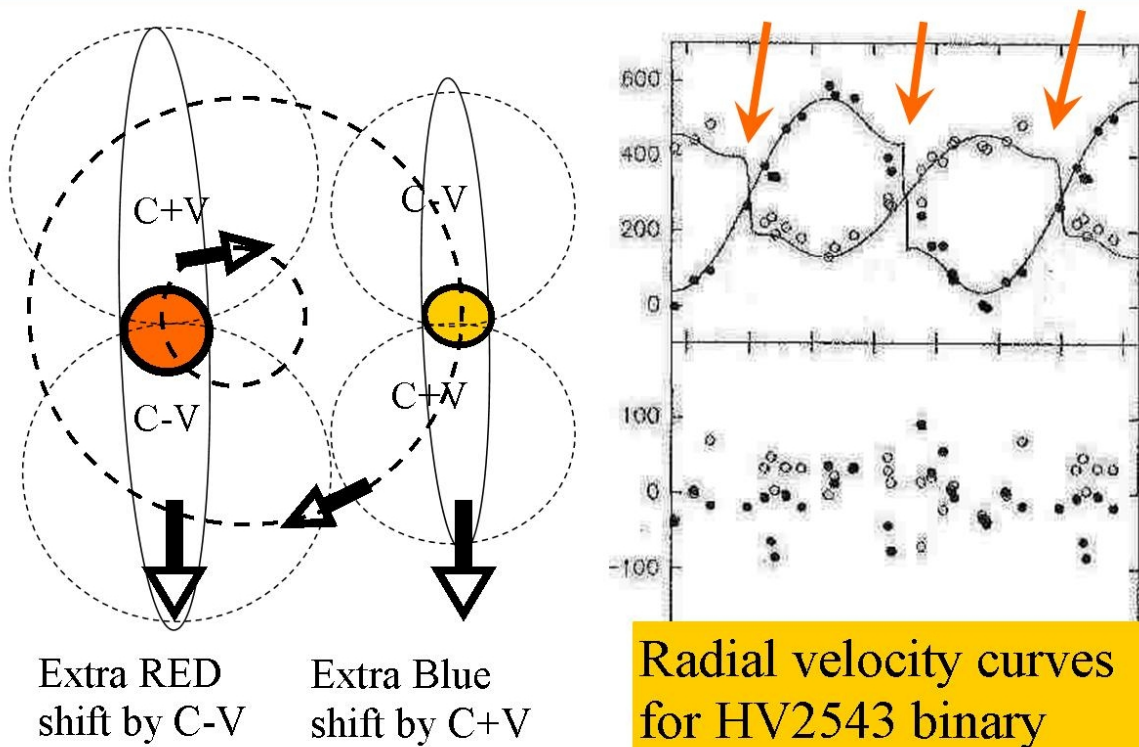
Figure 2 Quasi periodic oscillations in calculated velocities of both binary stars in HV 2543.
Due to the LASOF effect it seems that the approaching star to the observer is accelerating before conjunction and decelerating after conjunction. Just as seems to be the case in figure 3 (Venus)

residuals. Preceding inferior conjunction the residuals are negative whereas following they become positive. This behavior is readily explained by Venus being ahead in its orbit relative to earth, since, in that case, it would be closer to earth than predicted before conjunction and further away afterwards in agreement with Fig. 3–4. Quantitatively, too, the amount seems to be in accord with the earlier determinations. Remarkably, although the residuals shown are enormous relative to the errors associated with some of the more accurate measurements, the discrepancy is caused almost entirely by an error of only 0".5 of heliocentric arc.

The fact that the residuals vanish near conjunction supports the trial values used for the AU and for the radius of Venus. Another interesting feature of the residuals shown in Fig. 3–4 is the appearance of short-period quasi-regular oscil-

Earth-Venus Lightspeed (radar) anomalies (residuals) by I.I.Shapiro in Radar Astronomy 1964. Arrows A are pointing at the overlapping process of mutual LASOF areas of Venus and Earth. According to Quantum-FFF theory.

PLANETARY MOTIONS   171

R_V = 0.0203 LIGHT-SEC ≈ 6100 km
AU = 499.005 LIGHT-SEC ≈ 149,598,000 km
NAVAL OBSERVATORY EPHEMERIS

OBSERVED — COMPUTED (msec)

○ = ARECIBO DATA (Cornell)
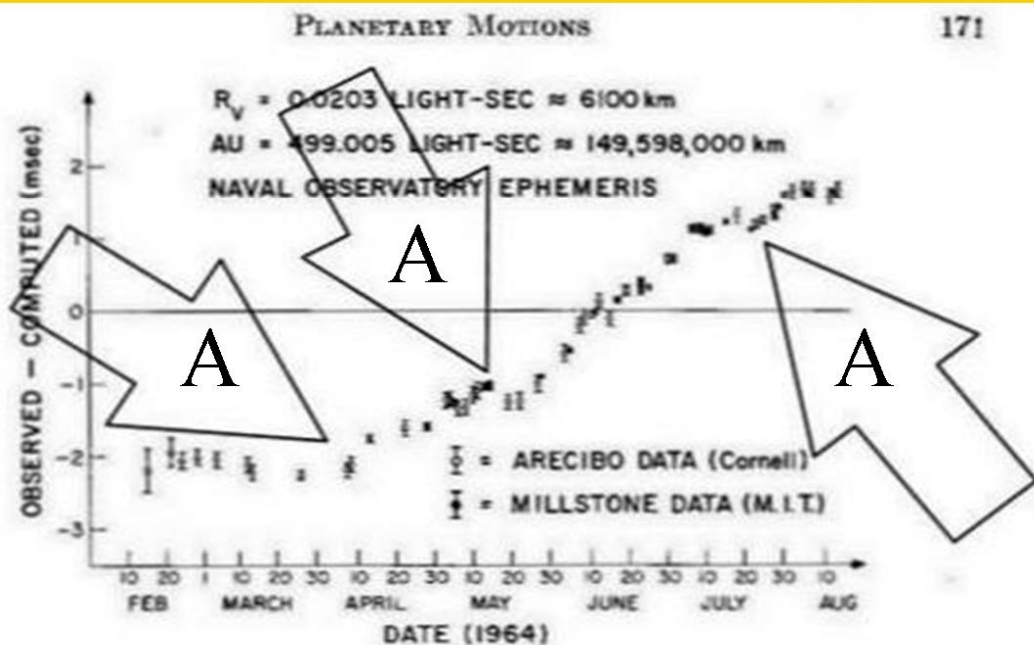⦶ = MILLSTONE DATA (M.I.T.)

DATE (1964)

Fig. 3–4. Earth-Venus time-delay residuals resulting from comparison of radar observations with delays computed from U.S. Naval Observatory ephemeris, based on Fourier Series.

Figure 3 Quasi periodic oscillations measured by I.I. Shapiro for the time delay of the conjunction of Venus. earth and sun.

$R_V = 0.0203$ LIGHT-SEC $\approx$ 6100 km

AU = 499.005 LIGHT-SEC $\approx$ 149,598,000 km

NAVAL OBSERVATORY EPHEMERIS

B

A

C

$\bar{\varphi}$ = ARECIBO DATA (Cornell)

$\bar{I}$ = MILLSTONE DATA (M.I.T.)
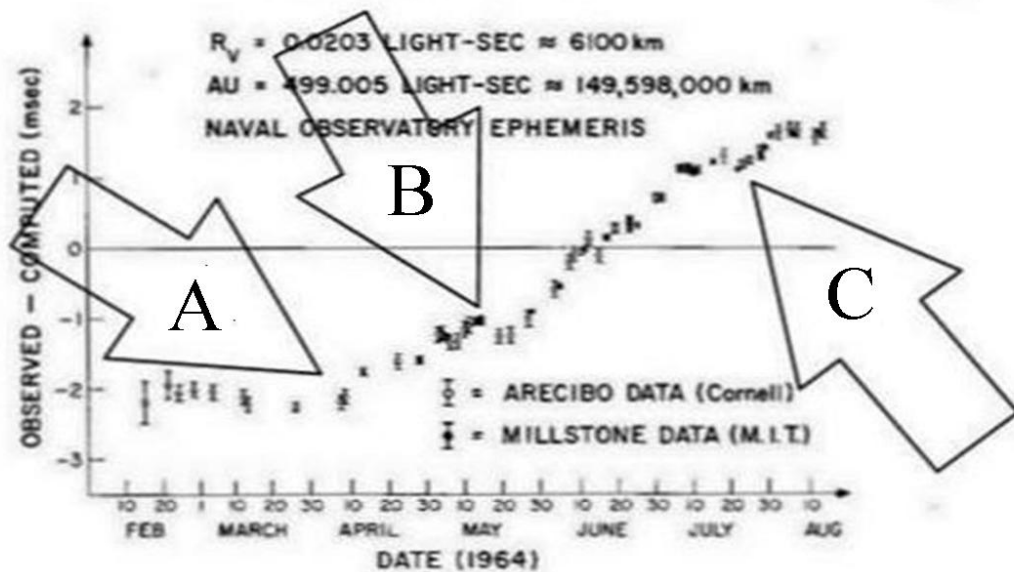
OBSERVED − COMPUTED (msec)

DATE (1964)

Fig. 3-4. Earth-Venus time-delay residuals resulting from comparison of radar observa-

Bumbs in time delay are related to moments of overlap of both LASOFs (Venus and Earth): 10 April (A): start firm overlap, 10 May (B): start Earth LASOF overlap of planet Venus, 10 July (C): start exit overlap of planet Venus

LASOF Bubble Radius calculation for Earth and Venus.

Calculated Venus Lasof radius= 54 million km. see below

On 13 May 1964 the Earth LASOF started Overlapping Venus at 70 million km.

Planets are supposed to originate and "Drag" their own isotropic lightspeed frame, called LASOF. They are floating inside the Heliocentric isotropic lightspeed Frame, or "Solar Lasof" which seem to have some Galaxy drift into the direction of the star Vega. (see B3.)

Max Elongation venus 10 april

Max Elongation 28 august

Sun

20 june 1964

Earth-Sun= 150 million km.Orbit

Orbit speed = 35 km/sec

Orbit speed = 30 km/sec

According to the radar residuals desribed by I.I. Shapiro ("Radar Astronomy"p. 169) : the Inner Planets Mercury and Venus seem to be 0,5 heliocentric degrees "Ahead in their orbits", if they are "close to the Earth" between "max elongation" points. The radar reflection residuals show also an anomalous S-Shaped appearance, called Quasi Regular Oscillations.

The LASOF bubble is supposed to be the origin of "Inner Planets" being "ahead in their orbits". Mars hardly suffers this phenomenon.

The LASOF buble "Overlap differences" of Earth and Venus LASOFs, during may-august 1964, are supposed to be the origin of extra short-period, quasi regular oscillations represented in "Radar astronomy" (Evans and Hagfors 1968) page 171, diagram fig 3-4, by I.I.Shapiro.

As a consequence of the "Overlap effect": the Earth Lasof's radius is supposed to be about 70. milj. km.

Mars is supposed to have a small residual delay character due to its outer orbit and small Lasof. For Mercury see figure D.

CALCULATION of the Venus LASOF radius, based on the Shapiro Raar echo residual on 10 april 1964= -2 msec. which resembles a signal distance loss of 600 km. The Earth (Heliocentric reference) speed in the Venus direction is (after interpolation) -21.5 km/sec, the Venus (Heliocentric reference) speed in the Earth direction is +35 km/sec. The Earth Lasof is 70 million km. Only half of the Earth lasof 35 million km is effective, due to the Earth speed extinction effect. Thus: 35.000.000/300.000 (c)x21.5= 2516 km. less than expected.+ 600 km =3116 km. to be compensated by the Venus Lasof effect: 3116/35. km/sec.=90 sec radar signal. Thus Venus Lasof radius: 90x300.000x2=54 million km radius.

(C) Leo Vuyk. 20 sept. 2004.revised 11-may-2006.   LASOF: Local A-Symmetrical Oscillating vacuum Frame.

Figure 4, the effect of overlapping LASOFs of earth and venus.

Figure B1: GRAVITY DIRECTION DEPENDENT LIGHT SPEED FRAME DRAGGING by LASOF (Local Anti-Symmetrical Oscillating vacuum Frame). Planetary LASOF Bubble structure of the Earth with proposals for a future two way TRIANGLE satellite signal interference experiment and for "Quasi Periodic Oscillations " of rotating systems like Eclipsing Binaries. (see also fig. B2)

Interpolation disks of Orbital additional light speed.

c+ 0.71v   c+ 0.50v
c+ 0.97v

heliocentric radial light velocity c-v   heliocentric radial light velocity c+v

c- 0.97v   c+ 0.97v
c- 0.87v   c+ 0.87v
c- 0.71v c- 0.50v   c+ 0.50v c+ 0.71v

Earth

Orbital vector speed Earth 30 km /sec.

Simplified view of orbital direction related additional light speed Interpolation zones, as related to the Heliocentric reference frame.

MAXIMUM Lasof Radius and EXTINCTION DISTANCE of the Earth: 70 million km .

c-v over variable extinction distances

Orbit

LASOF influence is expected to be the origin of some unresolved "Qausi periodic oscillations" (QPOs) and especially "Super-orbital Periodicities" in rotating systems like Eclipsing Binaries.

c+v over variable extinction distances

LASOF: Local Anti- Symmetrical Oscillating vacuum Frame.(C) Leo Vuyk, 20 sept.2004. revised: 14-jan-05.

HORIZON/INCLINATION DEPENDENT VARIABLE EXTINCTION DISTANCES

2 Satellites with opposite travelling signals.

Ground station

Maximum Lasof radius 70 million km .

c-30 km/sec   Earth   c+30 km/sec

c- 0.87v   c- 0.50v   c+ 0.50v   c+ 0.87v

Orbital vector speed Earth 30 km /sec.

The future Satellite experiment indicated above is a successor experiment already done by two scientists: Dayton Miller and Yuri Galaev . D. Miller used a Michelson and Morley interferometer located on the summit of mount Wilson (USA 1926) and found extraordinary SIDERIAN regularities in his observations, which indicate that D. Miller not only found a the Solar reference frame (see Postulate 1 figure A) but a Solar Reference Frame, equipped with structure or variations in itself , which could be induced by the Galaxy LASOF. See: <http://www.orgonelab.org/miller.htm> and : <http://allais.maurice.free.fr/English/yellow01.htm>

Yuri Galaev performed optical and radio wave interference experiments which showed results in line with those of D.Miller. see: 2001: Yu.M.Galaev, "Ethereal Wind in Experience of Millimetric Radiowaves Propagation", Spacetime and Substance, V.2, No.5 (10), 2001, P.211-225. <http://www.spacetime.narod.ru/0010-pdf.zip> 2002: Yu.M.Galaev, "The Measuring of Ether-Drift Velocity and Kinematic Ether Viscosity Within Optical Waves Band", (in English) Spacetime and Substance Vol.3, No.5 (15), 2002, P.207-224. <http://www.spacetime.narod.ru/0015-pdf.zip> SEE ALSO: "Local Ether Theory" C.C.Su, (Taiwan) http://qem.ee.nthu.edu.tw/

Gravity direction dependent Lightspeed Frame Dragging by the LASOF asymmetric Vacuum.

Earth related IN-creased lightspeed Vector bubble

Earth related DE-creased lightspeed Vector bubble

Vector =c-30 km/s

Vector =c+30 km/s

Earth Section + orbital axis Earth-Speed, v= 30 km/sec

Earth Orbital direction.

Earth related Lightspeed Cones

Figure B2. GRAVITY DIRECTION DEPENDENT LIGHT SPEED FRAME DRAGGING. date: 14-jan 2005. Author: Leo Vuyk. UNUSUAL variations in JASON-1 Satellite measurements are supposed to be an indication of this variable light speed.

IF------The speed of light in vacuum is dependent on the emitting body motion, only for a distance of extinction, which is limited by the state of motion, mass and density (or surface gravity) of the body. (Fig A, B1.) ------THEN as a secondary result: -------The speed of light emitted by Small Mass Bodies, -like GPS satellites- is in addition ONLY adapted to the Large Mass Body (Earth) Reference Frame, into- and away from the SURFACE of the Large Mass Body. (see also Fig. B3).

This should lead to: a Complex Geometry of Earth Inertial Frame related ADDITIONAL signal speed bubbles of signal emitting (GPS) Satellites at different altitudes from the Earth. (see Fig. B2).

This complex system (Fig. B2) is supposed to be the origin of the HIGH accuracy of GPS reading ONLY ON EARTH, even obtained for relatively "low horizon elevation" GPS signals. HOWEVER, this is in contrast with the VARIABLE accuracy of "onboard" SPACEBORN or AIRBORN GPS receivers, which are supposed to be vulnerable for LIGHT SPEED VARIATIONS of low horizon elevation GPS satellite signals. see also figure B1 and B3.

Only Earth's orbital speed influences are depicted in the figure. (B2) Possible additional Galaxy vacuum drift influences as measured by Dayton Miller (1926) and described in detail by Maurice Allais and James DeMeo, are not incorporated see Fig. B3. and Below. http://www.orgonelab.org/MillerReich.htm http://allais.maurice.free.fr/English/media16-1.htm CONCLUSION: LEO Satellite "Onboard" Black Jack LOW ELEVATION GPS measurements should be ANALYZED ON ANOMALOUS DELAY in stead of PUT ASIDE as Outlier, to be able to determine GRAVITY DIRECTION DEPENDENT LIGHT SPEED FRAME DRAGGING.

Figure 5, the LASOF principle depicted .

Simplified view of Earth's orbital motion related additional and only innitial light speeds, as experienced from the Heliocentric reference frame.

Interpolation disks (based on cosine function) of innitial additional /subtractional light speeds (v) only for signals GENERATED on Earth.

A

c-0.71v c-0.5v c+0.5v c+0.71v
c-0.87v c+0.87v
c-0.97v c+0.97v
c-1.00v. c+1.00v.

Earth

Orbital speed vector Earth 30 km /sec.

Cigar shaped LASOF extinction envelope for signals generated by satellite sources.

35 million km distance with 50% extinction of additional Earth speed v.

Maximum LASOF-Radius with FULL extinction of additional Earth speed at 70 million km .
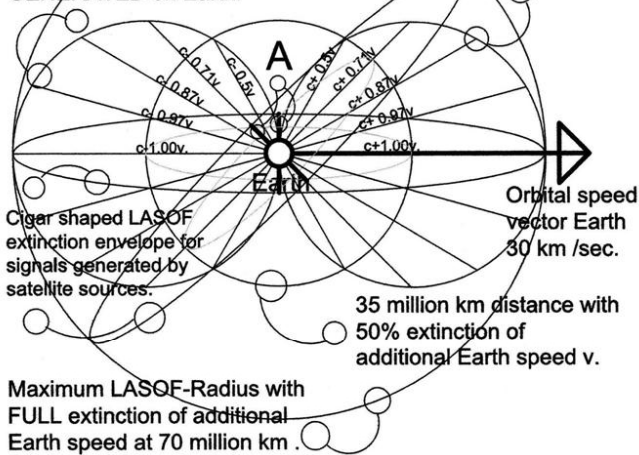
Figure B1a: GRAVITY DEPENDENT LIGHT SPEED FRAME DRAGGING by globular and cigar shaped LASOF (Local Anti-Symmetrical Oscillating vacuum Frame) lightspeed extinction envelopes. The globular LASOF is related to Earth bound sources.
The cigar shaped LASOF is related to satellite sources.
The major axis of the Cigar shaped LASOF envelopes, is supposed to coincide with the Satellite-Earth axis. Future satellite-GPS distance reading variations should give information about the minor axis (A) of the cigar shaped LASOF envelope.

Author: Leo Vuyk,
20 sept.2004. revised: 29-10-07.

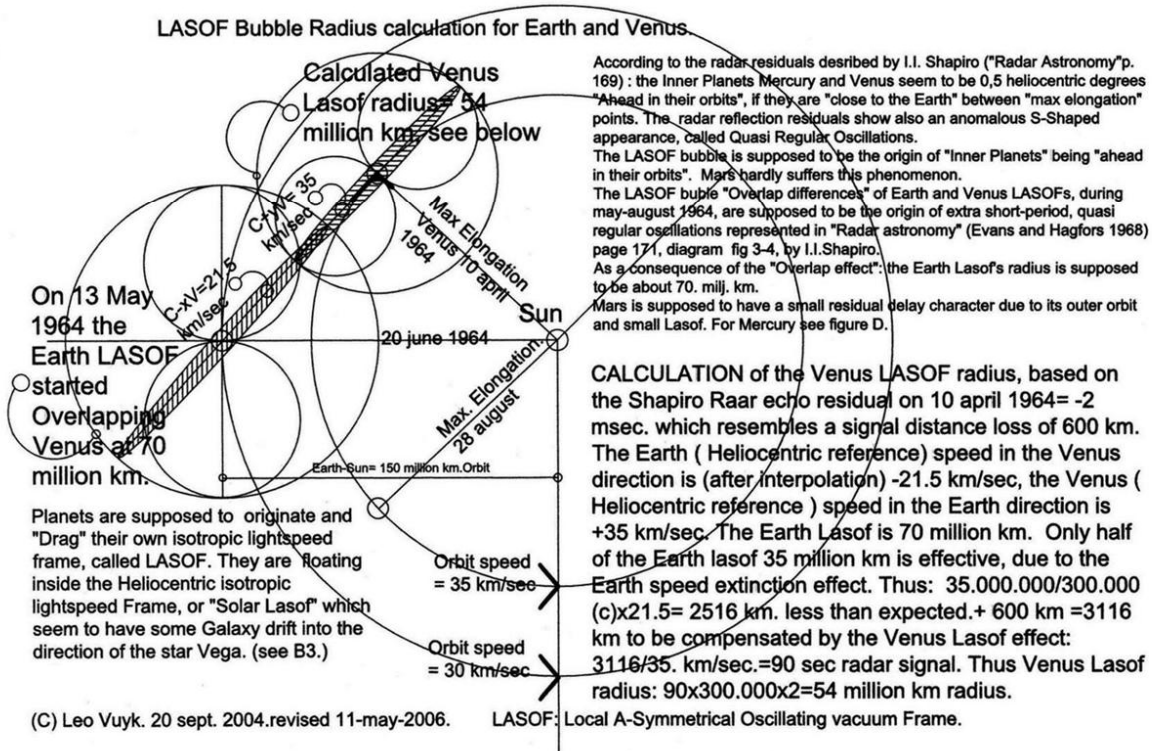# Lightspeed variability between massive objects like Venus and the Earth by the LASOF Vacuum.

LASOF Bubble Radius calculation for Earth and Venus.

Calculated Venus Lasof radius= 54 million km. see below

C-xV= 35 km/sec

Max Elongation Venus 10 april 1964

On 13 May 1964 the Earth LASOF started Overlapping Venus at 70 million km.

C-xV=21,5 km/sec

20 june 1964

Sun

Max Elongation 28 august

Earth-Sun= 150 million km.Orbit

Planets are supposed to originate and "Drag" their own isotropic lightspeed frame, called LASOF. They are floating inside the Heliocentric isotropic lightspeed Frame, or "Solar Lasof" which seem to have some Galaxy drift into the direction of the star Vega. (see B3.)

Orbit speed = 35 km/sec

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According to the radar residuals desribed by I.I. Shapiro ("Radar Astronomy"p. 169) : the Inner Planets Mercury and Venus seem to be 0,5 heliocentric degrees "Ahead in their orbits", if they are "close to the Earth" between "max elongation" points. The radar reflection residuals show also an anomalous S-Shaped appearance, called Quasi Regular Oscillations.
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(C) Leo Vuyk. 20 sept. 2004.revised 11-may-2006.   LASOF: Local A-Symmetrical Oscillating vacuum Frame.

Figure 6, Simplified LASOF around the earth and the relation with Venus LASOF.

A clear example of GPS failure for sat-sat signals at higher altitudes (CHAMP: 430 km, GPS: 20.000km) Kinematic orbit solution comparison showing GPS data outliers up to 180 meters, (2x) during a CHAMP flight long 24 hours with 15 earth revolutions in 2003.
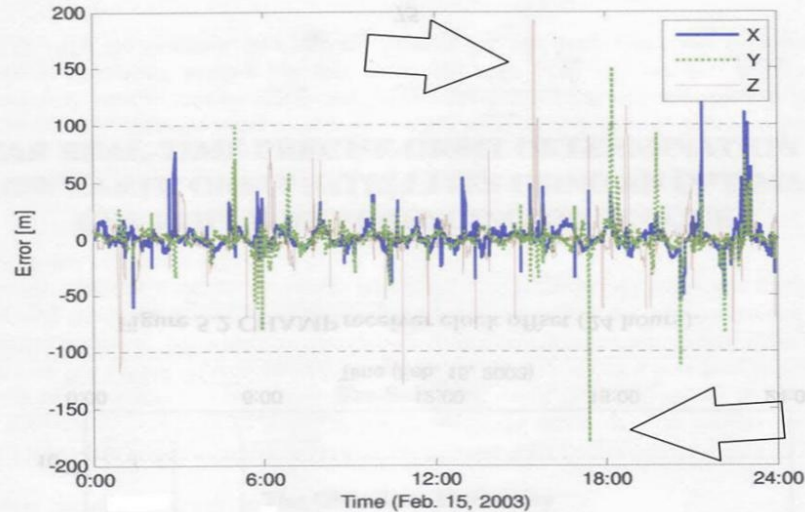
Figure 5.3 Comparison of the absolute kinematic orbit solution w.r.t. RSO.

Estimation of the LASOF ellipsoid minor axis based on maximum outliers (180m) found in Champ satellite GPS distance measurements. According to Quantum FFF theory.

Calculation of the MINOR AXIS (11821 km) of the LASOF ellipsoid based on CHAMP max outliers of 180 m. measured in 2003. author: Leo Vuyk.
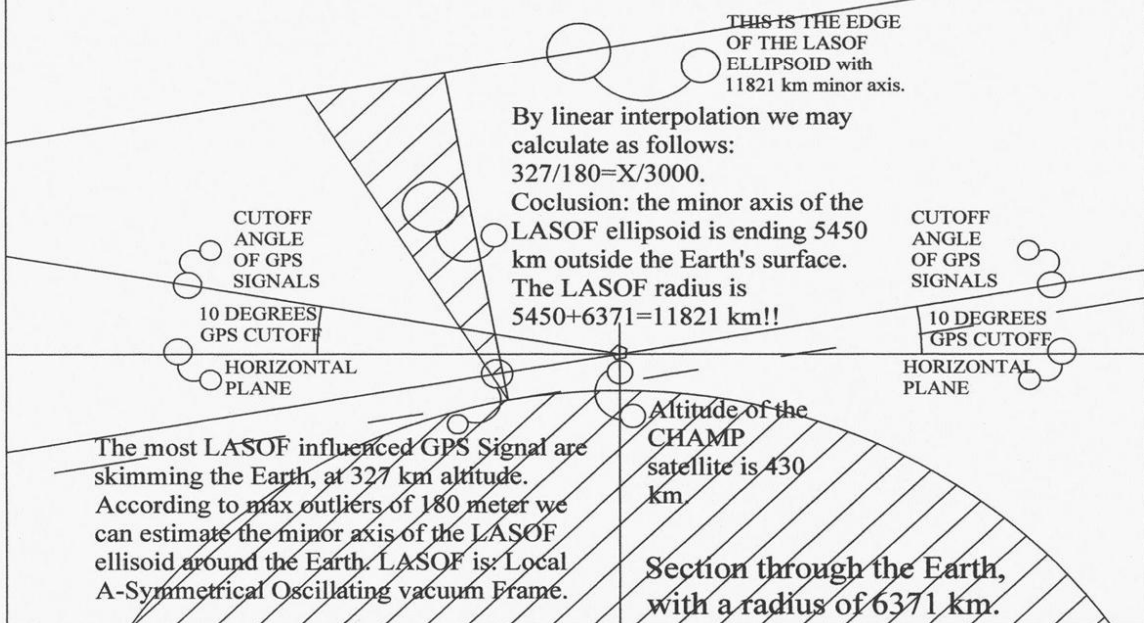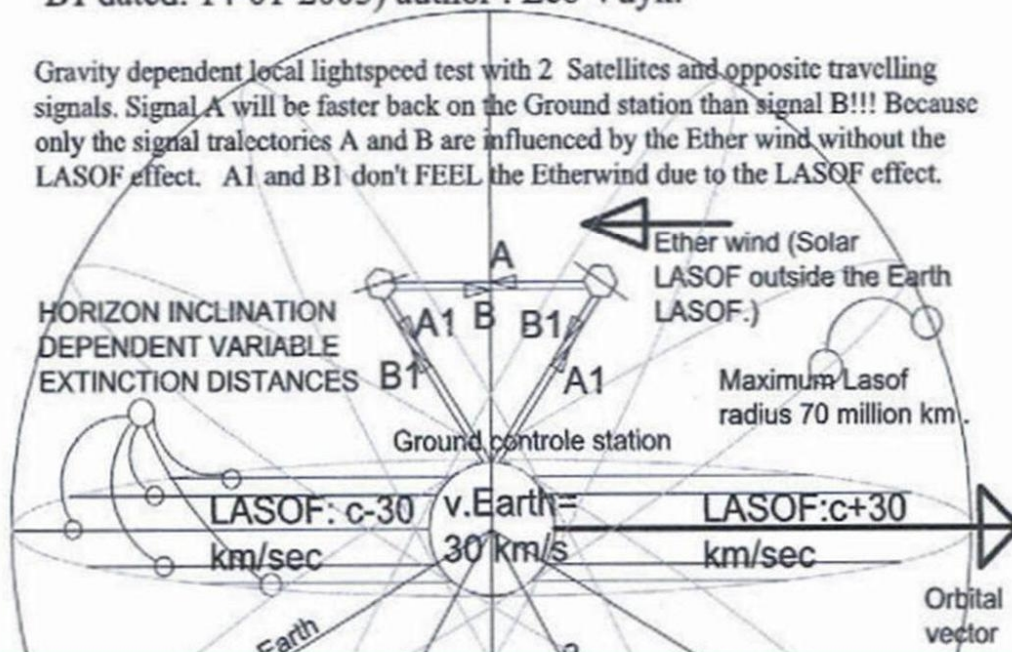
THIS IS THE EDGE OF THE LASOF ELLIPSOID with 11821 km minor axis.

By linear interpolation we may calculate as follows: 327/180=X/3000. Coclusion: the minor axis of the LASOF ellipsoid is ending 5450 km outside the Earth's surface. The LASOF radius is 5450+6371=11821 km!!

CUTOFF ANGLE OF GPS SIGNALS

10 DEGREES GPS CUTOFF

HORIZONTAL PLANE

CUTOFF ANGLE OF GPS SIGNALS

10 DEGREES GPS CUTOFF

HORIZONTAL PLANE

Altitude of the CHAMP satellite is 430 km.

The most LASOF influenced GPS Signal are skimming the Earth, at 327 km altitude. According to max outliers of 180 meter we can estimate the minor axis of the LASOF ellisoid around the Earth. LASOF is: Local A-Symmetrical Oscillating vacuum Frame.

Section through the Earth, with a radius of 6371 km.

Figure 7 Additional LASOF effects.

GRAVITY DIRECTION DEPENDENT LIGHT SPEED FRAME DRAGGING by LASOF (Local Anti-Symmetrical Oscillating vacuum Frame). SIGAR shaped LASOF Bubble structure of the Earth with proposals for a future two way TRIANGLE satellite signal interference experiment. date: 9-11-2006 (this is an enlargement of figure B1 dated: 14-01-2005) author : Leo Vuyk.

Gravity dependent local lightspeed test with 2 Satellites and opposite travelling signals. Signal A will be faster back on the Ground station than signal B!!! Because only the signal tralectories A and B are influenced by the Ether wind without the LASOF effect. A1 and B1 don't FEEL the Etherwind due to the LASOF effect.

HORIZON INCLINATION DEPENDENT VARIABLE EXTINCTION DISTANCES

A

A1 B B1

B1 A1

Ether wind (Solar LASOF outside the Earth LASOF.)

Maximum Lasof radius 70 million km.

Ground controle station

LASOF: c-30 km/sec

v.Earth= 30 km/s

LASOF:c+30 km/sec

Orbital vector

Earth

Two experiments to show mass related light-speed differenrces (Quantum FFF theory)

Opposite travelling signals

Rotating inner mirroring cylinder

Stationary mirroring cylinder

Telescope with changing fringes

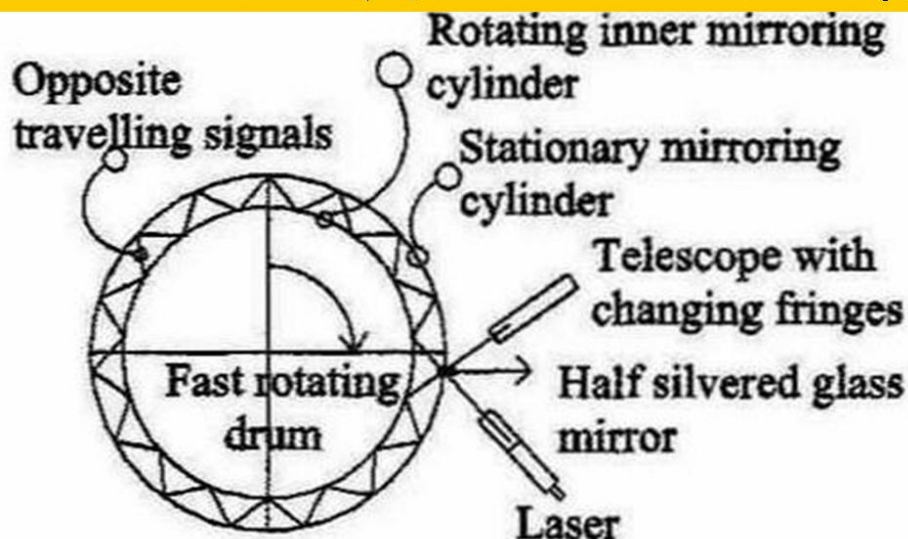Fast rotating drum

Half silvered glass mirror

Laser

Figure 8, Possible LASOF experiments.

Mass related lightspeed differences by LASOF (Local A-Symmetric Oscillating Vacuum Frame) effects are origin of Gravity direction dependant lightspeed Frame dragging. (Quantum FFF theory)
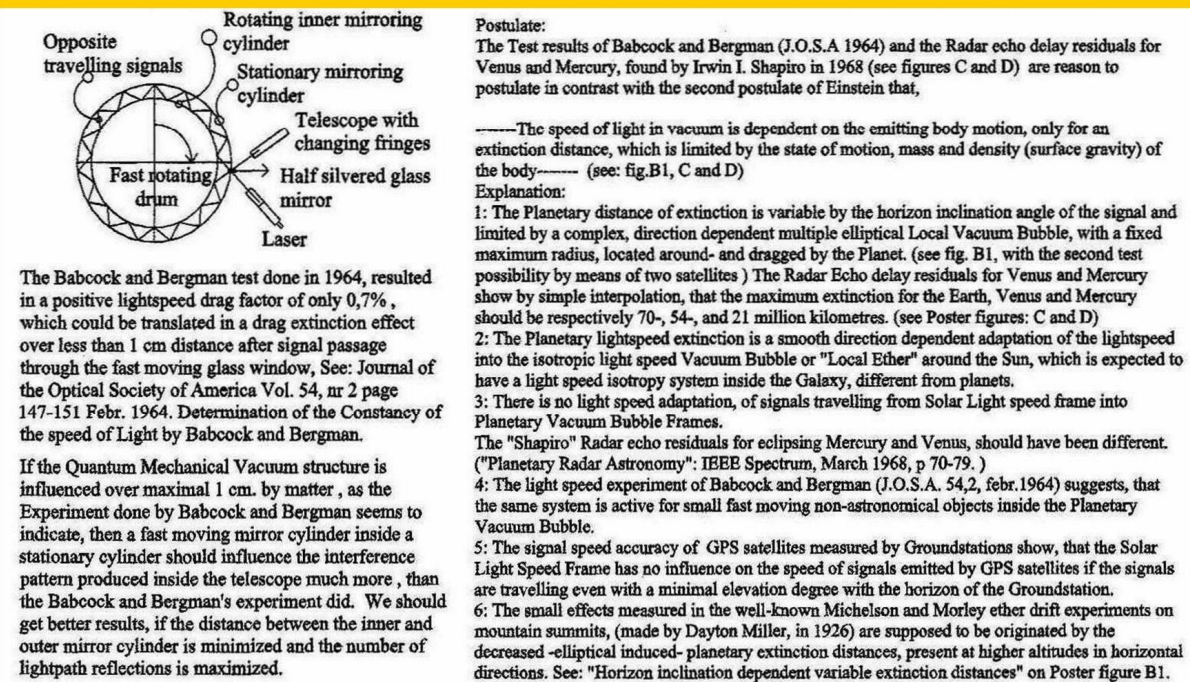

Opposite travelling signals — **Rotating inner mirroring cylinder** — **Stationary mirroring cylinder** — **Telescope with changing fringes** — **Fast rotating drum** — **Half silvered glass mirror** — **Laser**

The Babcock and Bergman test done in 1964, resulted in a positive lightspeed drag factor of only 0,7% , which could be translated in a drag extinction effect over less than 1 cm distance after signal passage through the fast moving glass window, See: Journal of the Optical Society of America Vol. 54, nr 2 page 147-151 Febr. 1964. Determination of the Constancy of the speed of Light by Babcock and Bergman.

If the Quantum Mechanical Vacuum structure is influenced over maximal 1 cm. by matter , as the Experiment done by Babcock and Bergman seems to indicate, then a fast moving mirror cylinder inside a stationary cylinder should influence the interference pattern produced inside the telescope much more , than the Babcock and Bergman's experiment did. We should get better results, if the distance between the inner and outer mirror cylinder is minimized and the number of lightpath reflections is maximized.

Postulate:
The Test results of Babcock and Bergman (J.O.S.A 1964) and the Radar echo delay residuals for Venus and Mercury, found by Irwin I. Shapiro in 1968 (see figures C and D) are reason to postulate in contrast with the second postulate of Einstein that,

------The speed of light in vacuum is dependent on the emitting body motion, only for an extinction distance, which is limited by the state of motion, mass and density (surface gravity) of the body------ (see: fig.B1, C and D)
Explanation:
1: The Planetary distance of extinction is variable by the horizon inclination angle of the signal and limited by a complex, direction dependent multiple elliptical Local Vacuum Bubble, with a fixed maximum radius, located around- and dragged by the Planet. (see fig. B1, with the second test possibility by means of two satellites) The Radar Echo delay residuals for Venus and Mercury show by simple interpolation, that the maximum extinction for the Earth, Venus and Mercury should be respectively 70-, 54-, and 21 million kilometres. (see Poster figures: C and D)
2: The Planetary lightspeed extinction is a smooth direction dependent adaptation of the lightspeed into the isotropic light speed Vacuum Bubble or "Local Ether" around the Sun, which is expected to have a light speed isotropy system inside the Galaxy, different from planets.
3: There is no light speed adaptation, of signals travelling from Solar Light speed frame into Planetary Vacuum Bubble Frames.
The "Shapiro" Radar echo residuals for eclipsing Mercury and Venus, should have been different. ("Planetary Radar Astronomy": IEEE Spectrum, March 1968, p 70-79.)
4: The light speed experiment of Babcock and Bergman (J.O.S.A. 54,2, febr.1964) suggests, that the same system is active for small fast moving non-astronomical objects inside the Planetary Vacuum Bubble.
5: The signal speed accuracy of GPS satellites measured by Groundstations show, that the Solar Light Speed Frame has no influence on the speed of signals emitted by GPS satellites if the signals are travelling even with a minimal elevation degree with the horizon of the Groundstation.
6: The small effects measured in the well-known Michelson and Morley ether drift experiments on mountain summits, (made by Dayton Miller, in 1926) are supposed to be originated by the decreased -elliptical induced- planetary extinction distances, present at higher altitudes in horizontal directions. See: "Horizon inclination dependent variable extinction distances" on Poster figure B1.

Figure 9, Some early indications of a LASOF effect.

References:

[47] The New God Particle and Free Will.
Author: Leo Vuyk**, LuLu publishers, 2008.**
ISBN number   978-1-4092-1031-3
http://www.lulu.com/spotlight/LeoVuyk

[46] Quantum FFF Theory is also published in the form of POSTERS at the Flickr site:
http://www.flickr.com/photos/93308747@N05/

[45] Numbered listing of Vixra essays by Leo Vuyk (see below).
http://vixra.org/author/leo_vuyk

[44] viXra:1401.0115
Calabi Yau Shaped Double Fermion Spin States.
[43] viXra:1401.0071
Democratic Free Will in the Instant Entangled Multiverse.
[42] viXra:1312.0143
The Navel Cord Multiverse with Raspberry Shape.
[41] viXra:1312.0076
Are Sunspots Made of Gravitating Dark Matter Black Holes?
[40] viXra:1310.0101
The New Nuclear Magic Number (34) Explained by the Polar Coaxial Ring System of
Category: Nuclear and Atomic Physics
[39] viXra:1310.0059
The Semi Relativistic Higgs Field Aether with Mass Related Lightspeed Adaptation.
[38] viXra:1309.0081
New Physics by Table Top Experiments.
[37] viXra:1308.0083
The Raspberry Shaped Super Symmetric Multiverse
[36] viXra:1307.0068
Quantum Function Follows Form Theory, the Small Scale, Posters part 1.
 [35] viXra:1307.0067
Quantum Function Follows Form Theory, the Large Scale, Posters part 2.
[34] viXra:1306.0218
Dark Matter UFO Dust Particles or Quantum Knots in the LHC at CERN ?
33, viXra:1306.0065
The Splitting Dark Matter- Black Hole- Big Bang and the Cyclic Multiverse.
32, viXra:1305.0140
Quantum FFF Theory Experiments, a Summary.
31, viXra:1305.0041
The Shnoll Effect Explained by Quantum FFF Theory.
30, viXra:1304.0022
The Self Organizing Universe in the Carina Nebula.
29, viXra:1303.0211
Hubble Redshift Combined with Universal Contraction is Possible.
28, viXra:1303.0053

Micro Birkeland Currents Between Two RF Generated Plasma Balls in the Laboratory.
27, viXra:1302.0172
Silicon Based Ball Lightning Globule Structures and Signs for Accumulation and Retarded Decrease of Tunnelling Energy Bullets.
26, viXra:1301.0088
Two or Three Large Quasar Groups (LQGs) Located at the Start of Two or Three Lyman Alpha Systems and a Part of the Raspberry Multiverse?
25, viXra:1301.0050
Dwarf Galaxies and Their Relation with Dark Matter Based Galaxy Anchor Black Holes (Gabhs).
24, viXra:1210.0177
Instant Broglie Bohm Pilot Waves, the Origin of All Entanglement Effects in the Lab and Wavefunction Collapses in Our Universe as Related to Our Opposing Anti-Copy Universe(s) According to Quantum FFF Theory.
23, viXra:1209.0092
New Dark Matter Black Holes and a New Dark Energy Higgs Field, Lead to a Bouncing CP Symmetrical Multiverse, and New Experiments.
22, viXra:1209.0061
Birkeland Currents, Sunspots, Comets and Ball Lightning Originated by New Paradigm Dark Matter Black Holes.
21, viXra:1209.0030
Majorana and Sterile Neutrino Solutions in the Quantum-FFF Model.
20, viXra:1208.0031
Clumpy Dark Matter Around Dwarf Galaxies a Support for an Alternative Black Hole Theory According to the Quantum Function Follows Form Model.
19, viXra:1202.0091
Earth Magnetic Monopole Array Field Interaction with Cyclotron –Synchrotron Electrons and Muon Conversion Used for Levitation Systems.
18, viXra:1201.0092
Earth Magnetic Monopole Array Field Interaction with Cyclotron Electrons used for Levitation Systems.
17, viXra:1112.0065
LHC Signals Between 121-130 Gev Interpreted with Quantum-FFF Theory
16, viXra:1111.0096
Reconciliation of QM and GR and the Need for a Pulsating Entangled CPT Symmetric Raspberry Shaped Multiverse.
15, viXra:1111.0061
Black Hole Horizon Curvature Dependent Balance Between Plasma Creation and e-e+ Annihilation in Quantum FFF Theory.
14, viXra:1108.0036
Artificial Ball Lightning Production and Exploitation Device for Zero Point Electric Energy Usage.
13, viXra:1108.0006
Mass in Motion in Quantum FFF Theory
12, viXra:1104.0083
Quantum FFF Theory in Posters.
11, viXra:1104.0044
Ball Lightning, Micro Comets, Sprite-Fireballs and X-Ray/gamma Flashes According to Quantum FFF Theory.
10, viXra:1104.0002