

Alternative Michelson and Morley experiment between two satellites . (Grace?)

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Abstract,

According to Einstein's relativity theory, the speed of light is supposed to be the same for every observer in all reference frames.

However, there seem to be incidental differences in the lightspeed if we observe the outliers of GPS satellite to CHAMP satellite distance measurements of 180m.

At the same time in the literature I found tiny structural but characteristic unexplained irregularities in Planetary radar-pulse reflection measurements, made by I.I. Shapiro in 1964, between the Earth and Venus.

Both observations support the idea of the existence of ellipsoidal lightspeed extinction (or vacuum adaptation) volumes around massive objects like the earth. Such a volume I will call LASOF or Local Asymmetric Oscillating Vacuum Frame.

Other historic lightspeed experiments support the idea that all objects with mass are equipped with some extinction volume.

As a consequence I propose new triangular trajectory lightspeed comparison experiments between the earth and dual satellites or dual balloons and even in the laboratory to support these lightspeed extinction and adaptation ideas.

Future GRACE / LISA satellite experiment should serve as alternative for the Michelson Morley ether wind experiment, reduced by Earth lightspeed frame dragging of the Local Asymmetric Oscillating vacuum Frame (LASOF) according to Q-FFF theory.

Observing Up and down ether wind differences of the light speed between two Grace satellites by earth motion around the sun as alternative for Michelson Morley experiment.

No lightspeed differences should be measured to or from the earth direction due to gravity drag effect.

Introduction.

According to the famous Michelson and Morley (M&M) lightspeed experiment, the null result could be explained by the Lorentz contraction of the apparatus in the direction of the Motion of the Earth through the light medium reference frame. However, due to the perfect one-way GPS signal speed measurements we make today at elevations of more than 5 degrees above the horizon, we know now with certainty, that the one-way lightspeed around the Earth is really constant related to the GPS system..

However, there seem to be incidental differences in the lightspeed if we observe the outliers of GPS satellite to CHAMP satellite distance measurements of 180m.

At the same time in the literature I found tiny structural but characteristic unexplained irregularities in Planetary radar-pulse reflection measurements, made by I.I. Shapiro in 1964, between the Earth and Venus.

Both observations support the idea of the existence of ellipsoidal lightspeed extinction (or vacuum adaptation) volumes around massive objects like the earth.

This introduces the possibilities of a tiny diurnal lightspeed effect at higher altitudes like mountain summits like Dayton Miller made around 1926 at mount Wilson. (ref 1,2.)

Dayton Miller made the same M&M measurements (1926, within a horizontal plane, thus also less than 5 degrees elevation) but in contrast with M&M on a high mountain summit of Mount Wilson. His results are pointing into a direction of some (anti-Einstein) diurnal Reference Frame effect (lightspeed or contraction effect.

As a consequence it should be still an scientific obligation, to search for subtle flaws in lightspeed measurements, such as low elevation GPS measurements (with elevations less than 5 degrees) , Satellite to Satellite measurements (the Champ or Grace satellites should be capable), Improved Babcock and Bergman Light Carrousel experiments, or signal interference of two signals between two mountain (or two Tower/High Riser) Summits as dr. Yu. M. Galaev did (Ref 3) see also : “6 experiments by Leo Vuyk; (ref 4)

If we postulate that each fast moving mass carrying particle "drags" the lightspeed over only a very small "mass dependent distance of extinction" about 1 cm , in radial direction of the particle, then the Massive Earth could "drag" the lightspeed in radial directions to the Earth, with a much longer distance of extinction related to the Solar reference frame.

This Distance of extinction is coined: **LASOF** (Local Anti-Symmetric Oscillating vacuum Frame). As a consequence, the LASOF is the origin of this new "scale and mass dependent drag effect of the lightspeed" which can be supposed to be the base for the so called isotropy of the lightspeed Postulated by Einstein. Consequently also the Sun is supposed to have its own LASOF inside the Galaxy LASOF.

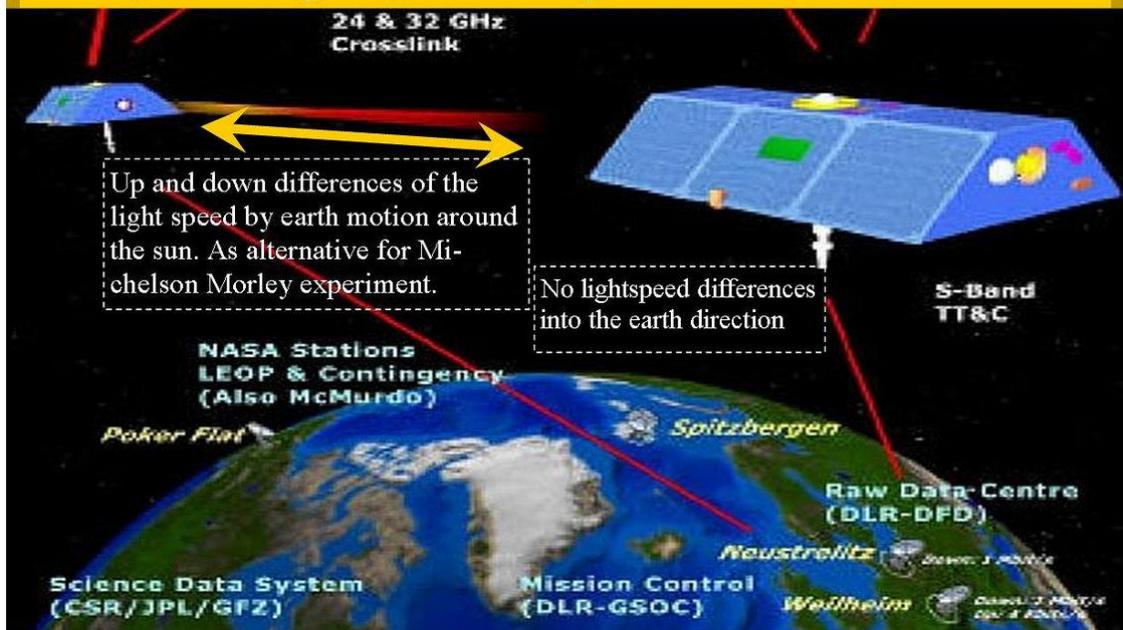
Thus with the LASOF postulate we seem to have realistic base for new lightspeed experiments falsifying Einstein's lightspeed Postulate as described below.

Experiment 1:

GPS anomaly for GPS satellite to CHAMP satellite signals.

.LASOF= Local Anti-Symmetrical Oscillating Vacuum Frame (See addendum page 7-13).

Future Grace satellite experiment as alternative for the Michelson Morley etherwind experiment, reduced by Earth light-speed drag of the Lasof: Local Asymmetric Oscillating vacuum Frame) according to Q-FFF theory.



Incidental variable lightspeed already found in CHAMP-GPS outliers parallel to earth motion.?

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.

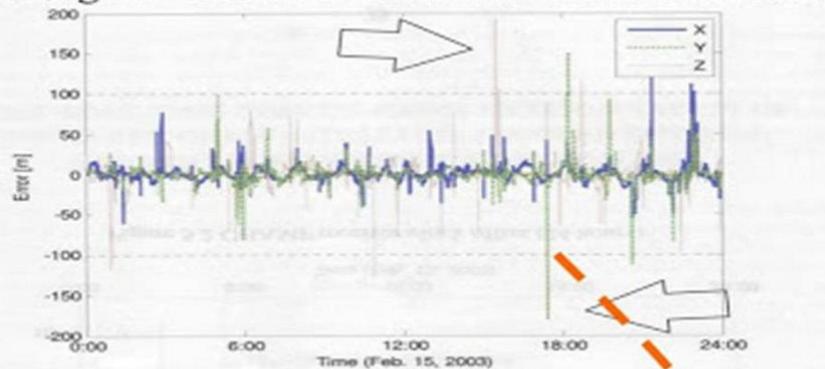


Figure 5.3 Comparison of the absolute kinematic orbit solution, w.r.t. RSO.

Credit: Tae Suk Bae, 2003, Ohio State university.

Figure 1, Outliers between CHAMP and GPS satellites is reason to do alternative M&M experiments.

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.

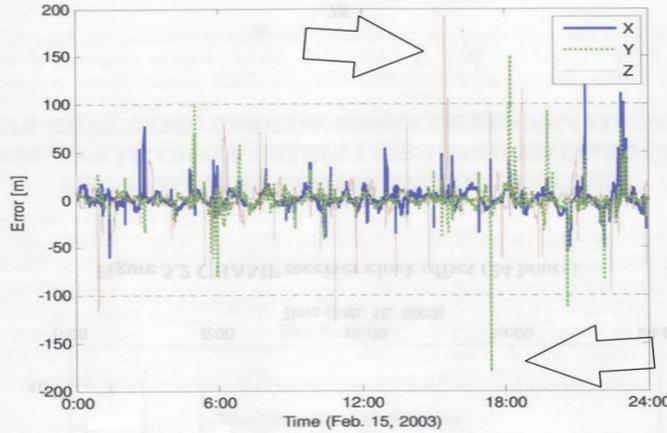


Figure 5.3 Comparison of the absolute kinematic orbit solution, w.r.t. RSO.

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

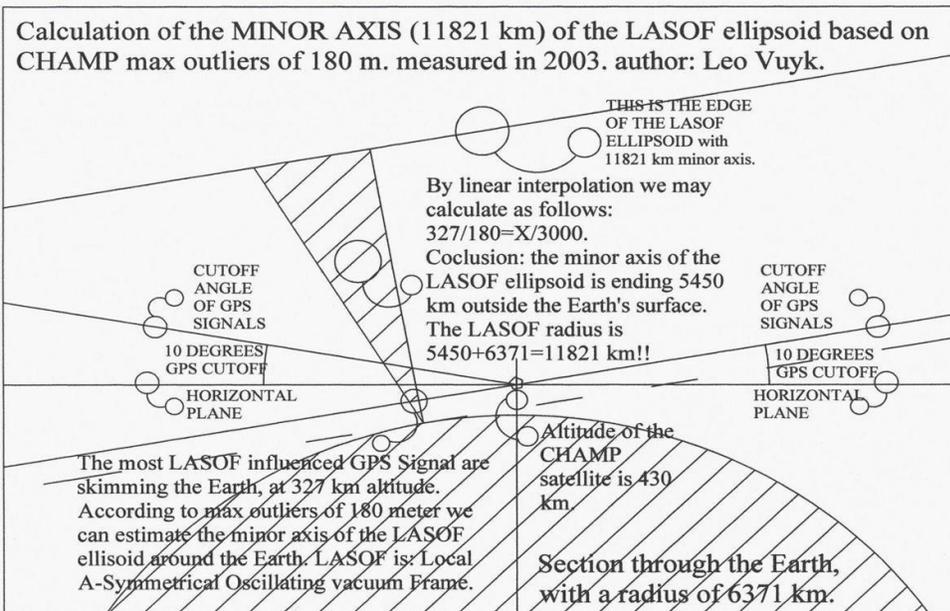


Figure 2, Estimation of the LASOF ellipsoid minor axis based on maximum outliers (180m) found in Champ satellite GPS distance measurements. According to Quantum FFF theory.

Outlier comparison (above) of the absolute kinematic orbit solution, w.r.t. RSO. by: Tae Suk Bae, 2003, Ohio State university

Experiment 2.

Structural anomalies in radar reflection data for Planetary radar-pulse reflection measurements, made by I.I. Shapiro in 1964, between the Earth and Venus and Mercury.

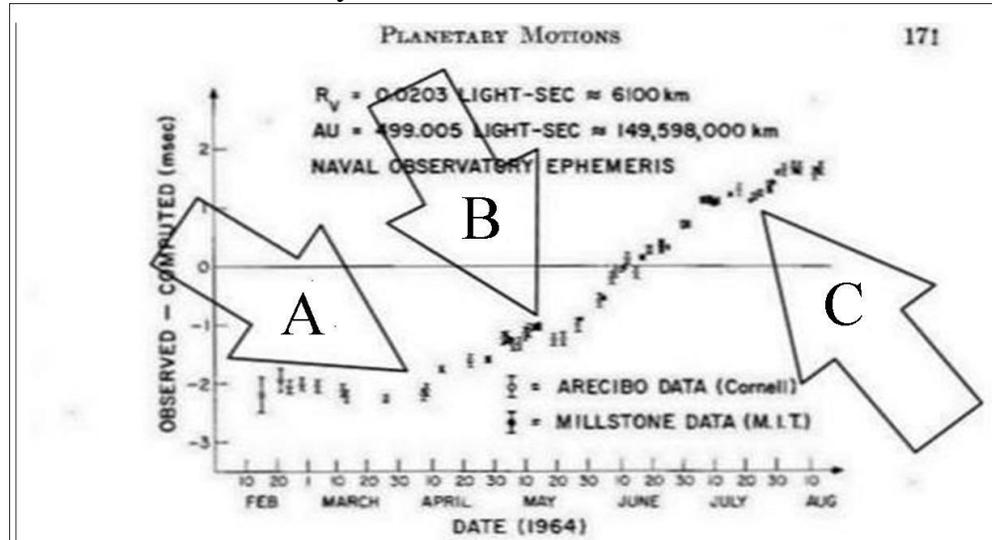


Fig. 3-4. Earth-Venus time-delay residuals resulting from comparison of radar observa-

Bumps 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

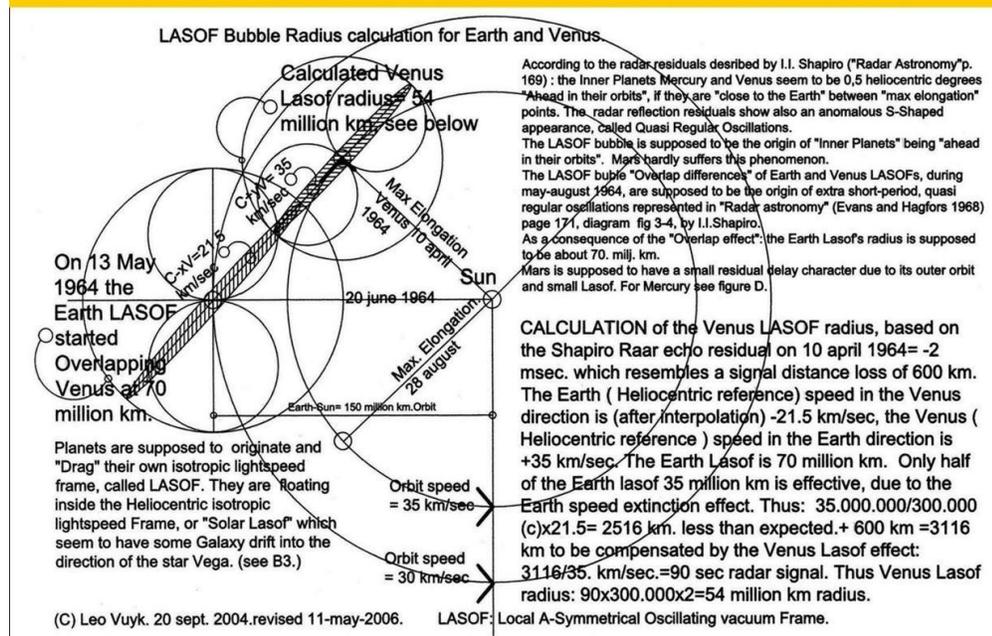
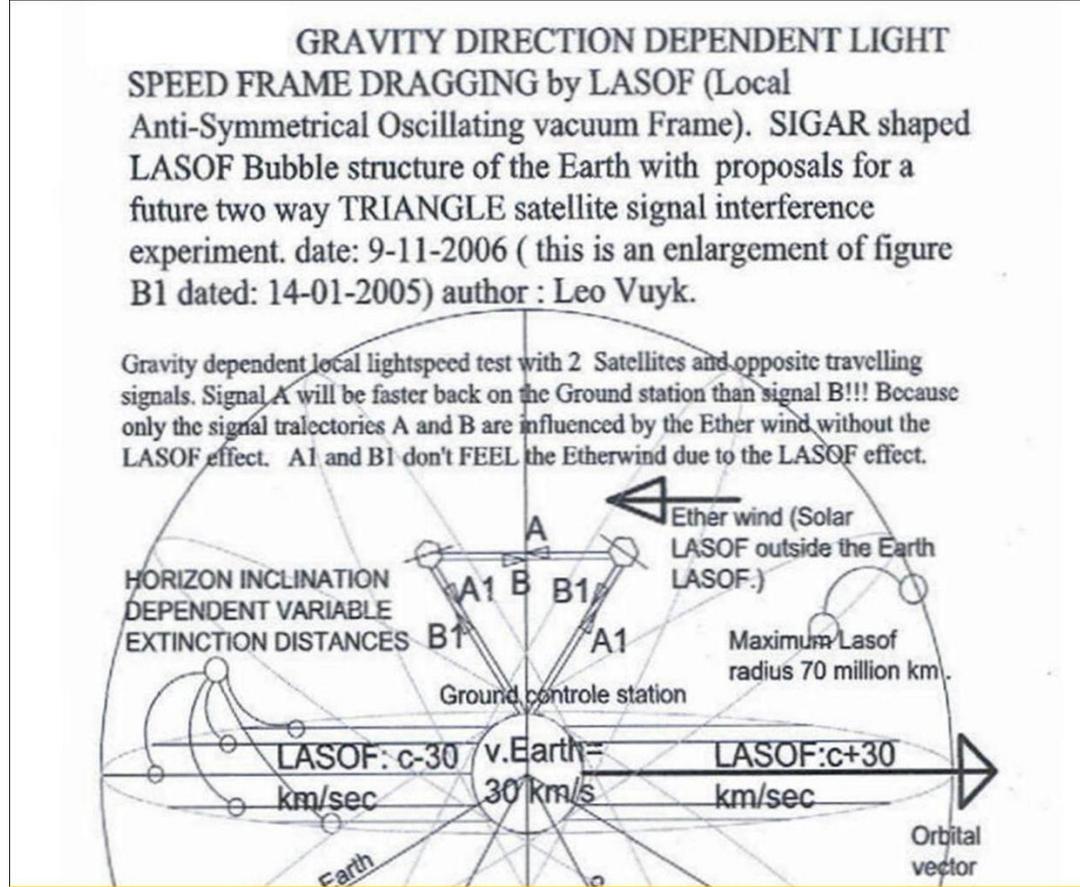


Figure 3, radar reflection experiment with Venus with LASOF major axis length estimation.

About the Time delay residuals in figure 3, I.I.Shapiro wrote:

“Preceding inferior conjunction, the residuals are negative, whereas following they become positive.

Signals A1 and B1 are not influenced as we know from the accuracy of the GPS system, if the GPS signals are directed to the Earth surface and influenced by gravity dragging. This experiment could even be able to measure tiny lightspeed influences of the Galaxy.



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

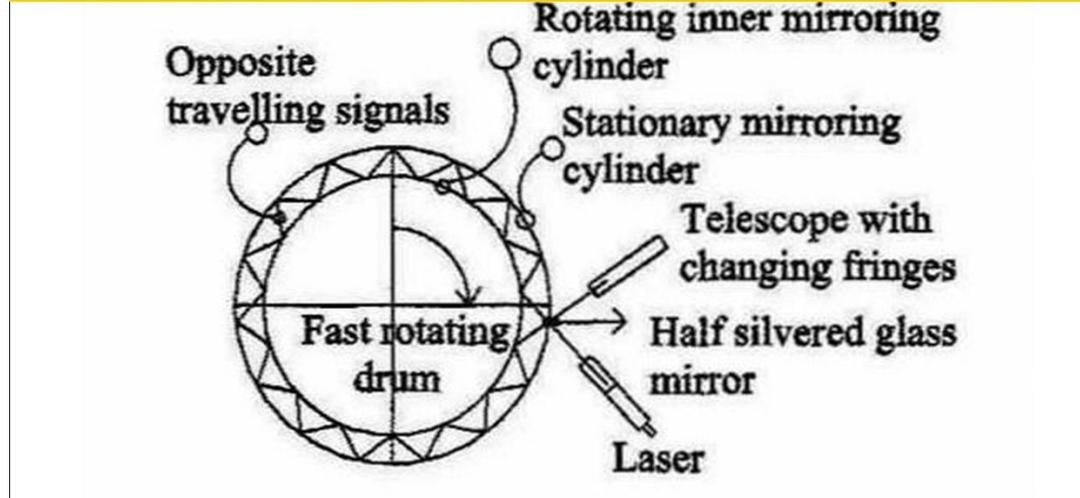


Figure 5, experiment 3 and 4.
Experiment 4 (figure 4 page 5),

Opposite running (laser) signal interference variation, between a fast rotating mirror cylinder and one coaxial mirror cylinder that is in fixed position to the laboratory.

If the Local Oscillating Vacuum Frame is influenced by the cylinder mass, even over short distances, (e.g. 1 cm) then we may expect a so called LASOF interference effect over short distances (Local Anti Symmetrical Oscillating Vacuum Frame) related to fast rotating cylinders.

The interference pattern variation produced inside the telescope, (figure 7) should have a direct relation to the speed of the rotating cylinder. In 1964, Babcock and Bergman published a comparable experiment with promising results, in J.O.S.A Vol.54, nbr.2.

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)

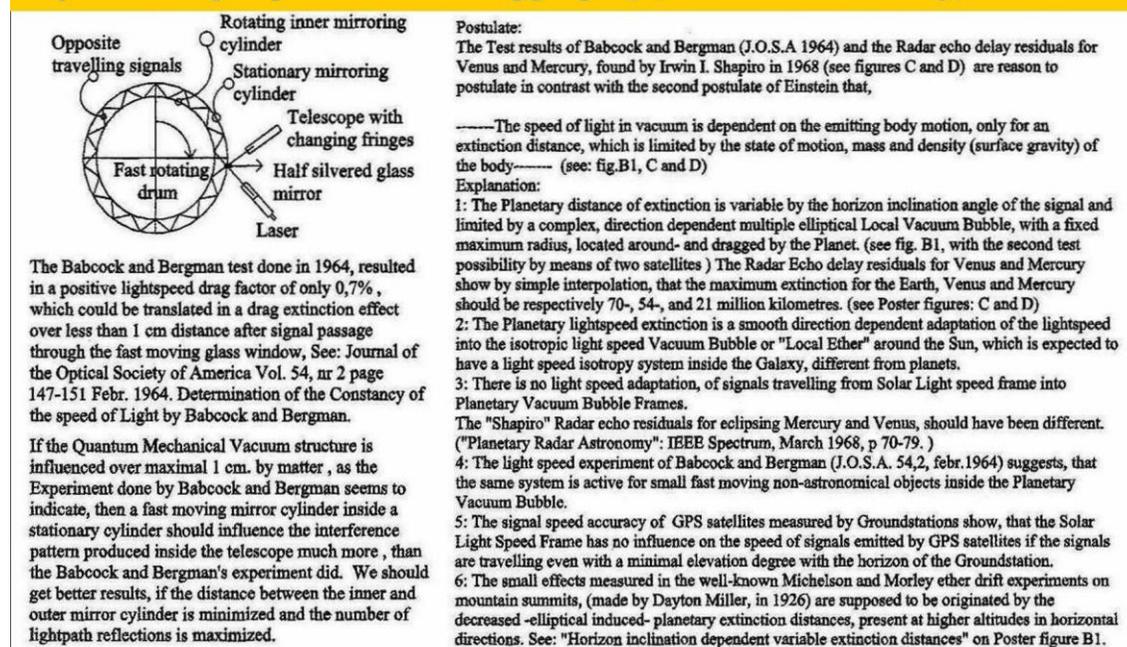


Figure 6,

TABLE I. Results of the measurement of four sets of interference fringe photographs. The relativistic prediction for the fringe shift between clockwise and counterclockwise rotating conditions is about 0.0036 fringe, and the fringe shift between initial and final stationary conditions should ideally be zero. All fringe shifts are in fractions of a fringe. The estimated standard deviation of each shift was 0.0055 fringe.

Photograph set	Observer	Fringe shift between:		Effective speed (rps)
		Initial and final stationary conditions	Clockwise and counterclockwise rotating conditions	
A	1	-0.0141	+0.0041	88
A	2	-0.0141	+0.0020	88
A	3	-0.0162	+0.0035	88
B	1	+0.0091	+0.0052	88
C	1	-0.0032	+0.0054	90
D	1	-0.0020	+0.0036	93

shift of 0.0120 ± 0.0065 fringe was found. As is seen below, one probably cannot regard all of this shift as a systematic effect, but its smallness shows that the ideal self-compensating features of the system were nearly realized. Shifts found when the arm was moved by $1^\circ 0'$ and $0^\circ 6'$ were 0.0029 and 0.0016 fringe, respectively, both less than the estimated standard deviation of the shift.

The values of the fringe shifts Δf are given in Table I for Sets A, B, C, and D. A positive value in the column for rotating conditions indicates a shift in the direction predicted by both the theory of relativity and that of simple addition of velocities. It is seen that the shifts found between the two rotating conditions scatter very little, and have a mean of about +0.004 fringe. On the other hand, the shifts between the first and last (stationary arm) photographs of a set are generally larger, and scatter much more. The reasons for this are not fully understood. In view of this uncertainty it is only claimed here that the shift between rotating conditions was less than 0.02 fringe, a value to be compared with the shift of 2.9 fringes predicted on the assumption of addition of velocities. It is also concluded that the results are, to within their own precision, in agreement with the predictions of the theory of relativity.

ACKNOWLEDGMENTS

Dr. W. R. Haseltine made many useful suggestions. We are grateful to Dr. J. M. Bennett for the use of the scanning comparator. We would like to thank Dr. T. E. Phipps and Mr. F. A. Kinder for their encouragement. Most of the data were reduced by Mrs. J. S. Bruns, and Mr. P. G. Bauer constructed much of the apparatus.

Copy of the lightspeed Babcock and Bergman anomaly. After passing through a fast rotating glass plate the photons are fringe shifted by maximum 0.02 fringe compared with a shift of 2.9 fringes predicted on the assumption of addition of velocities, = 0.7 percent of the photon trajectory of 1.40m. Conclusion: the LASOF effect is supposed to be active here over a distance of maximum 1 cm.

Figure 7,

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 oscill-

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.

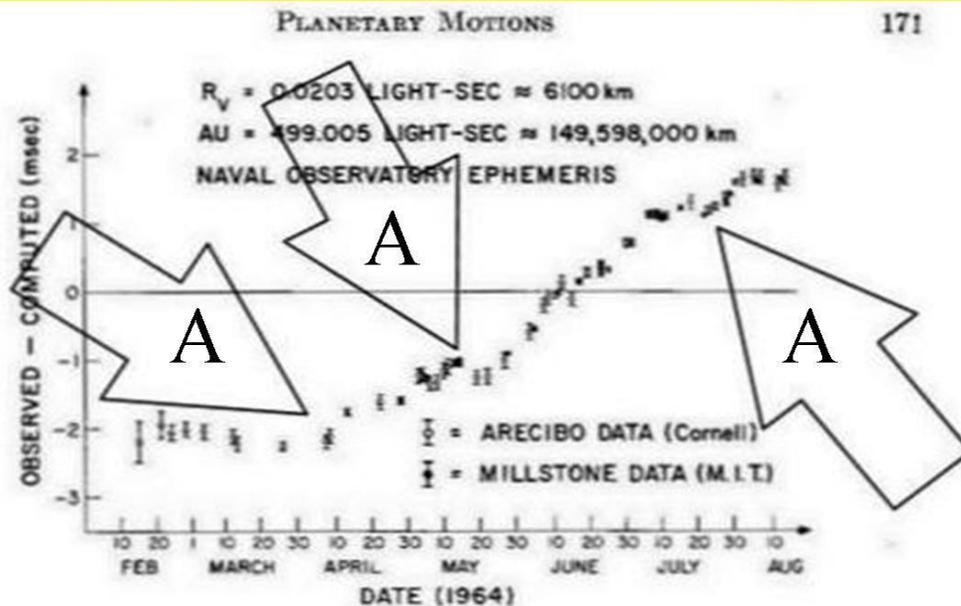


Fig. 3-4. Earth-Venus time-delay residuals resulting from comparison of radar observations with delays computed from U.S. Naval Observatory ephemeris, based on Fourier Series.

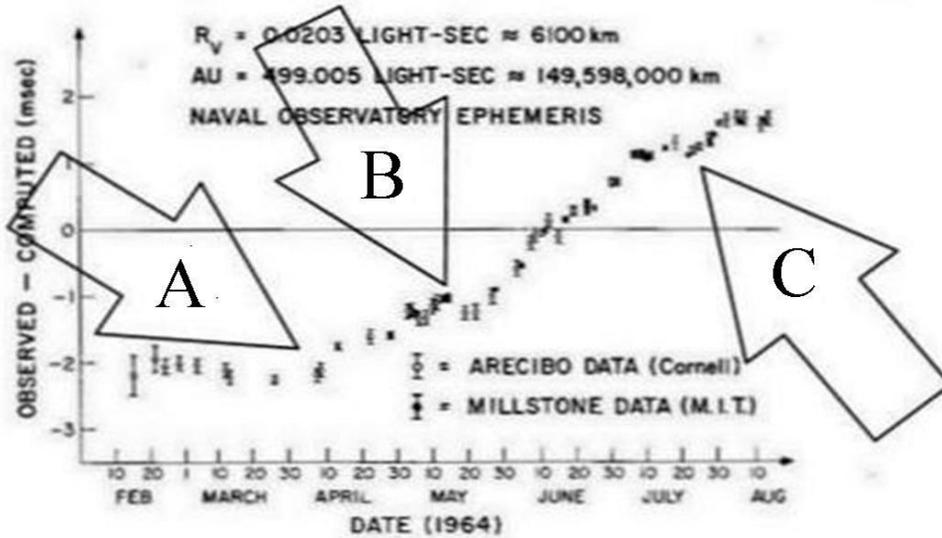


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Bumps in time delay are related to moments of overlap of both LASOFs (Venus and Earth): 10 April (A): start firm overlap, 10 May (B): start Earth LASOF overlap of planet Venus, 10 July (C): start exit overlap of planet Venus

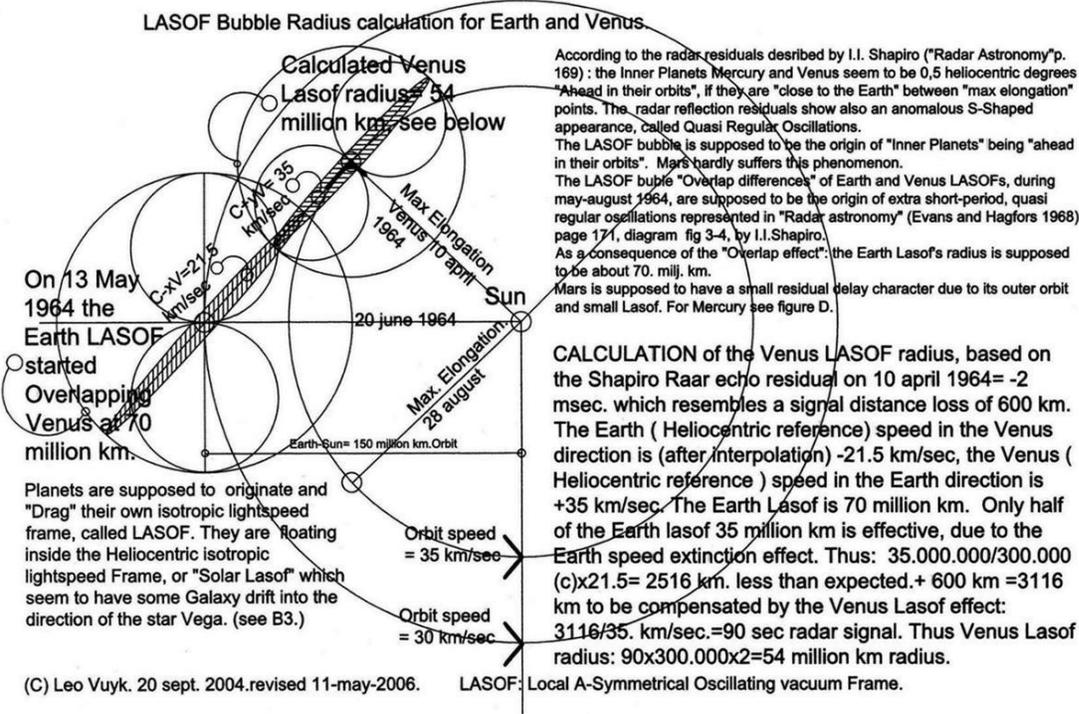
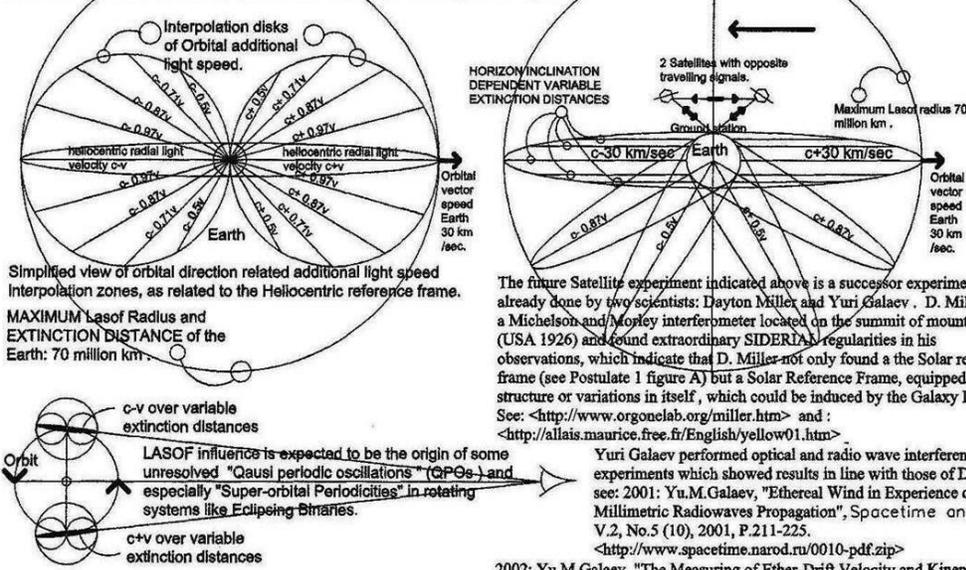


Figure 9,

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)



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.

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 SIDERIAL regularities in his observations, which indicate that D. Miller not only found 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/>

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

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

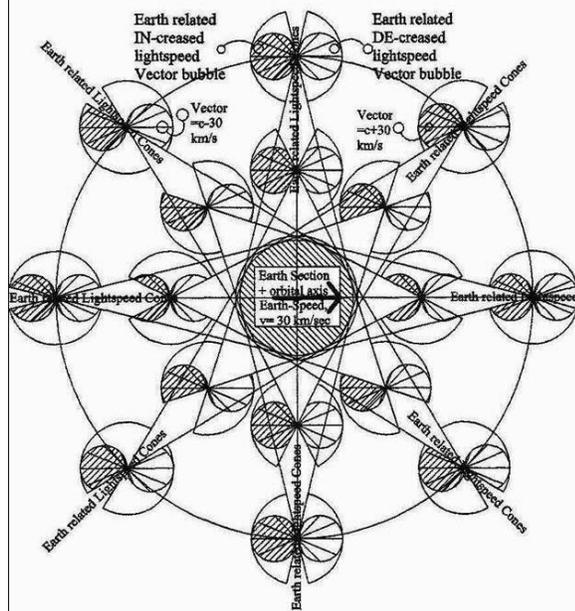


Figure B2. GRAVITY DIRECTION DEPENDENT LIGHT SPEED FRAME DRAGGING. date: 14-jan 2005. Author: Leo Vuyk. UNUSUAL variations in JASON-1 Satellite measurements are supposed to be an indication of this variable light speed.

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 10,

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

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

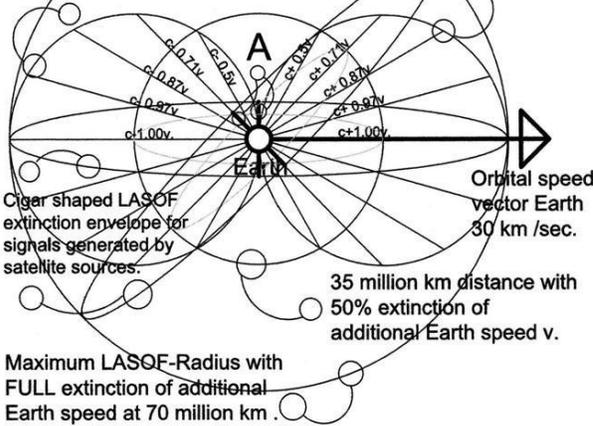


Figure B1a: GRAVITY DEPENDENT LIGHT SPEED FRAME DRAGGING by globular and cigar shaped LASOF (Local Anti-Symmetrical Oscillating vacuum Frame) lightspeed extinction envelopes. The globular LASOF is related to Earth bound sources.

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.

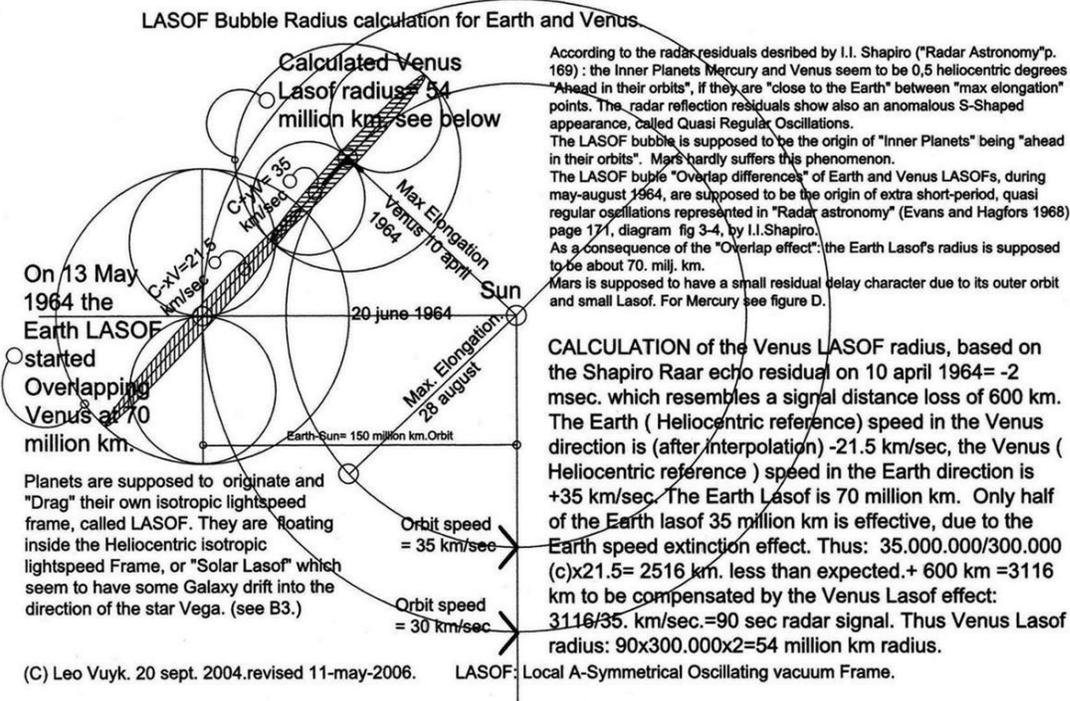
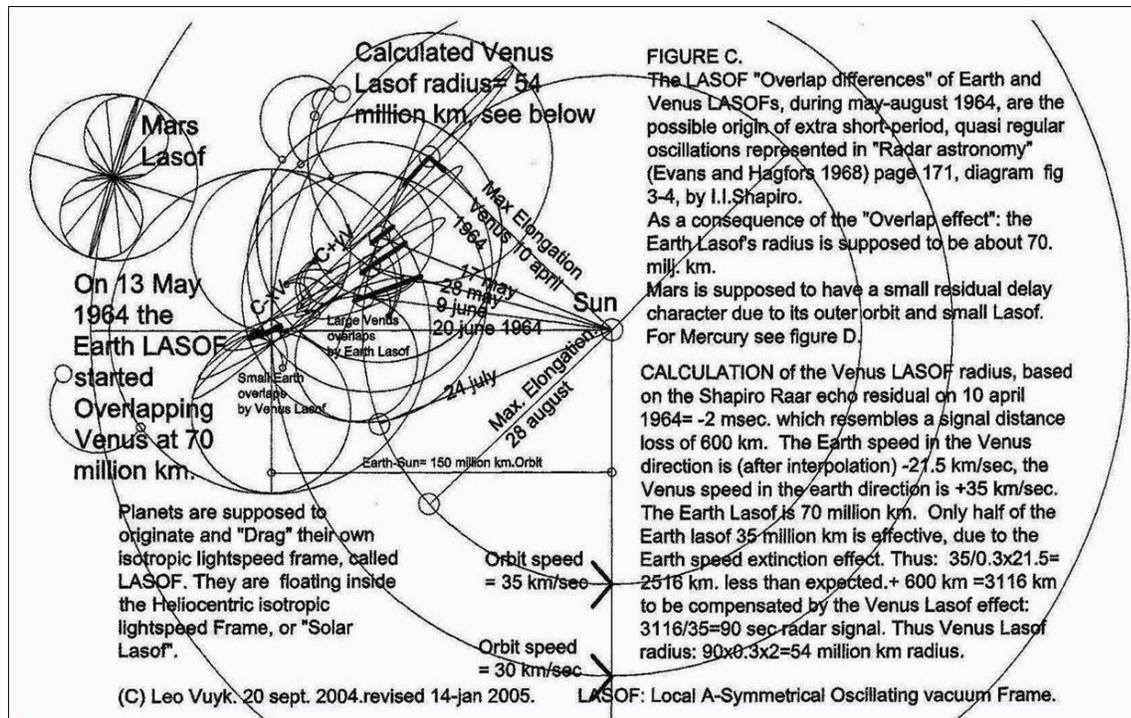


Figure 11,



LASOF overlap differences between Earth-Venus (fig C) and non-overlap with Mercury (fig D) based on Gravity direction dependent Lightspeed Frame Dragging by the LASOF asymmetric Vacuum.

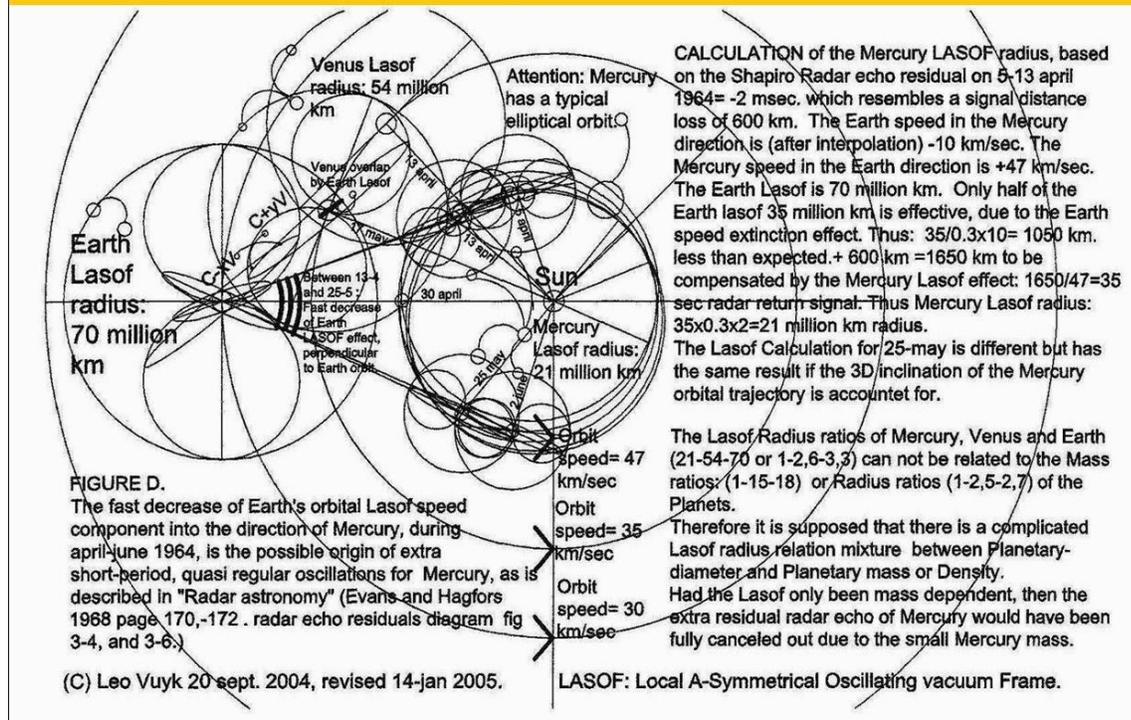


Figure 12,

See also: Experiments to determine the mass related Lightspeed extinction volume around the Earth and around spinning objects in the Lab

<http://vixra.org/pdf/1102.0056v2.pdf>

"According to Einstein's relativity theory, the speed of light is for every observer the same in all reference frames.

However, there seem to be incidental differences in the lightspeed if we observe the outliers of GPS satellite to CHAMP satellite distance measurements of 180m. see image (by Tae Suk Bae, Ohio State univ.2003.)

At the same time in the literature I found tiny structural but characteristic unexplained irregularities in Planetary radar-pulse reflection measurements, made by I.I. Shapiro in 1964, between the Earth and Venus." (see "radar astronomy" edition by Evans and Hagfors, 1964)

see also:

Experiments to determine the mass related Lightspeed extinction volume around the Earth and around spinning objects in the Lab

<http://vixra.org/pdf/1102.0056v2.pdf>

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

<http://vixra.org/pdf/1409.0164v2.pdf>

Reconciliation of GR and QM by a New Gravity-Black Hole and Lightspeed Model Called Quantum- FFF Theory

<http://vixra.org/pdf/1402.0132v1.pdf>

The Semi Relativistic Higgs Field Aether with Mass Related Lightspeed Adaptation

<http://vixra.org/pdf/1310.0059v1.pdf>

Experiments to Determine the Mass Related Lightspeed Extinction Volume.

<http://vixra.org/pdf/1102.0056v2.pdf>

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School of Chemistry, Physics and Earth Sciences

Flinders University. <http://arxiv.org/pdf/physics/0306196.pdf>

<https://arxiv.org/abs/physics/0306196>

[B]: D.C. Miller, The Ether-Drift Experiment and the Determination of the Absolute Motion of the Earth, Rev. Mod. Phys. 5, 203-242(1933), [3]:

ETHERAL WIND IN EXPERIENCE OF MILLIMETRIC

RADIOWAVES PROPAGATION Yu.M. Galaev.

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12 Ac. Proskury St., Kharkov, 61085 Ukraine
Received August 26, 2001 in : Spacetime
& Substance International Physical Journal.
<http://www.spacetime.narod.ru/0010-pdf>

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ISBN

number 978-1-4092-1031-3 <http://www.lulu.com/spotlight/LeoVuyk>

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

[69.] Numbered listing of Vixra essays by Leo Vuyk. http://vixra.org/author/leo_vuyk

[68] viXra:1611.0005 Electric Dark Matter Black Holes in the Moon (Orientale Basin)

[67] viXra:1609.0407 New Physics Elements in the Quantum Function Follows Form
Model.

[66] viXra:1608.0329 God Seems to Play Dice with Dual Entangled Pinball Machines in a
Supersymmetric (Susy) Multiverse

[65] viXra:1607.0376 Axion-Higgs 3-Dimensional Rigid Transformable Strings and the
Compound 650 GeV Z-Z Decay into Quarks/Leptoquarks.

[64] viXra:1605.0257 Reaction Less Drive by Anti Maxwell Dead Zone Around a Wire.

[63] viXra:1604.0372 Herbig Haro Hotspots or Bowshocks Are the Origin of Star
Formation,

not the Result as the Mainstream Suggest.

[62] viXra:1604.0229 Er=epr in the Supersymmetric Cyclic Multiverse and in the Lab
Without Strange Cats.

[61] viXra:1603.0253 Reaction Less Drive by Anti Maxwell Dropping Zone Around a
Wire.

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Field Creation of an Anti Maxwellian Dropping Zone Around an Energized Electric Wire.

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Creating Black Holes and the Beginning and End of Time..

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Production Inside Comets Like 67P,C-G. and the Growing Earth.

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[52] viXra:1407.0001 Evidence for Evaporating Dark Matter Particles in Silicon Fireballs.

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Problems.

[49] viXra:1405.0224 Dual Star Ejection in Open Star Clusters by the Central Star.

[48] viXra:1404.0151 Future Free Energy of New Physics Ball Lightning Black Holes, the Origin of a Super Social Society or the Opposite?

[47] viXra:1404.0002 Proposal for the Origin of Unexpected Large B-Modes Found in the Bicep2 Measurements.

[46] viXra:1402.0132 Reconciliation of GR and QM by a New Gravity-Black Hole and Lightspeed Model Called Quantum- FFF Theory.

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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
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- 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 24 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 Stellar Anchor Black Holes as the Remnants of Former Herbig Haro Objects
- 9, viXra:1103.0097 ZPE Zero Point Energy Examples Around Black Holes.
- 8, viXra:1103.0068 Funktion Follows Form, at the Quantum Scale and Beyond.
- 7, viXra:1103.0024 Quantum Gravity and Electro Magnetic Forces in FFF Theory
- 6, viXra:1103.0015 Wavefunction Collapse and Human Choice-Making Inside an Entangled
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- 5, viXra:1103.0011 An Alternative Black Hole, Provided with Entropy Decrease and Plasma
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- 4, viXra:1103.0002 3- Dimensional String Based Alternative Particles Model
- 3, viXra:1102.0056 Experiments to Determine the Mass Related Lightspeed Extinction Volume around massive objects.
- 2, viXra:1102.0054 Atomic Nuclear Geometry Based on Magic Number Logic.
- 1, viXra:1102.0052 Construction Principles for Chiral “atoms of Spacetime Geometry.

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