

Re: The Impossibility of Measuring the Velocity of Light

Source: <http://sci.tech-archive.net/Archive/sci.physics/2004-09/6079.html>

From: Uncle Al (UncleAl0_at_hate.spam.net)

Date: 09/14/04

Date: Tue, 14 Sep 2004 07:40:52 -0700

Yddubq wrote:

>

> *The Impossibility of Measuring the Velocity of Light*

[snip 120 lines of ignorant crap]

299,792,458 m/s exactly, you fucking imbecile.

Phys. Rev. Lett. 88(1) 010401 (2002)

Phys. Rev. Lett. 90 060403 (2003)

Phys. Rev. Lett. 42(9) 549 (1979)

Phys. Bull. 21 255 (1970)

Europhysics Lett. 56(2) 170 (2001)

Gen. Rel. Grav. 34(9) 1371 (2002)

<http://www.freefarts.com/farts.html>

Move cursor over blinkers to hear Retic's lecture.

Psychotic ineducable boring spammer retic (Ernest Wittke),

You see yourself this way,

<http://www.mazepath.com/uncleal/effete6.jpg>

The entire remainder of the planet sees you this way,

<http://www.mazepath.com/uncleal/effete3.png>

<http://www.edu-observatory.org/cranks.html>

<http://www.pagetutor.com/idiot/idiot.html>

<http://b5.sdvc.uwyo.edu/bab5/snds/argestpd.wav>

<<http://www.albinoblacksheep.com/flash/youare.swf>>

<http://www.meninhats.com/d/20040430.html>

<http://www.mazepath.com/uncleal/sunshine.jpg>

<http://www.you-moron.com/>

<http://groups.google.com/groups?q=group%3Aasci.physics+author%3Awittke>

<http://www.mazepath.com/uncleal/effete0.jpg>

<http://www.mazepath.com/uncleal/effete1.png>

<http://www.mazepath.com/uncleal/effete2.png>

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<http://www.mazepath.com/uncleal/effete3.png>

<http://www.mazepath.com/uncleal/effete4.png>

<http://www.mazepath.com/uncleal/effete5.jpg>

<http://www.apa.org/journals/psp/psp7761121.html>

<http://insti.physics.sunysb.edu/~siegel/quack.html>

<<http://www.firehead.org/~jessh/film/kubrick/Kubrick-Psycho.html>>

<http://www.naturalchild.com/elliott_barker/prisons.html>

> *The source material for this posting may be found in "Gravity" (1987),*

> *"The Einstein Hoax" (1997), and "Corrections to Residual Errors in Special*

> *Relativity (1999)*

[snip]

Hey, stoopid spammer Ernest Wittke – Do you want EVIDENCE? Each of the 24 GPS satellites carries either four cesium atomic clocks or three rubidium atomic clocks in orbit, with full relativistic corrections being applied. NAVSTAR Block II GPS satellites (currently being launched as replacements) have two rubidium and two cesium atomic clocks.

<<http://optoelectronics.perkinelmer.com/content/Datasheets/rfs2f.pdf>>

<<http://math.ucr.edu/home/baez/RelWWW/tests.html>>

Mathematics of gravitation

<<http://wugrav.wustl.edu/people/CMW/update98.pdf>>

<<http://www.astro.northwestern.edu/AspenW04/Papers/lorimer1.pdf>>

Equivalence Principle testing

<http://arXiv.org/abs/hep-th/0111236>

Geometric structure of reality

<http://arxiv.org/abs/gr-qc/0103044>

<http://arXiv.org/abs/hep-th/0307140>

GR structure, especially Part 4/p. 7

<<http://rattler.cameron.edu/EMIS/journals/LRG/Articles/Volume4/2001-4will/index.html>>

<http://arXiv.org/abs/gr-qc/0311039>

<<http://www.weburbia.demon.co.uk/physics/experiments.html>>

Experimental constraints on General Relativity

<<http://tycho.usno.navy.mil/ptti/ptti2002/paper20.pdf>>

Nature 425 374 (2003)

<<http://rattler.cameron.edu/EMIS/journals/LRG/Articles/Volume6/2003-1ashby/index.html>>

<http://www.eftaylor.com/pub/projecta.pdf>

<<http://www.public.asu.edu/~rjjacob/Lecture16.pdf>>

Relativity in the GPS system

<http://arXiv.org/abs/gr-qc/9909014>

Phys. Rev. Lett. 92 (2004) 121101

falling light

<<http://hyperphysics.phy-astr.gsu.edu/hbase/relativ/airtim.html>>

Hafele-Keating Experiment

<http://www.hawaii.edu/suremath/SRtwinParadox.html>

<<http://physics.syr.edu/courses/modules/LIGHTCONE/twins.html>>

Twin Paradox

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Science 303(5661) 1143;1153 (2004)
<http://arXiv.org/abs/astro-ph/0401086>
<http://arxiv.org/abs/astro-ph/0312071>
Deeply relativistic neutron star binaries
<http://arxiv.org/abs/hep-th/0405160>
Black hole evaporation
Physics Today 57(7) 40 (2004)
No aether
<<http://www.npl.washington.edu/eotwash/pdf/pr183-3585.pdf>>
<http://arXiv.org/abs/gr-qc/0301024>
Nordtvedt Effect
<http://arxiv.org/abs/astro-ph/0403292>
<http://arXiv.org/abs/astro-ph/0310723>
WMAP + Sloane Digital Sky Survey
<http://arxiv.org/abs/hep-ph/0404175>
Dark matter candidates
<<http://nedwww.ipac.caltech.edu/level5/March01/Carroll/frames.html>>
Carroll on what it all means.

Special Relativity is physics on a topologically trivial Lorentzian manifold with a metric whose curvature tensor is zero. This is a perfectly diffeomorphism-invariant condition and does not require any particular coordinate choice. It is invariant under the full group of diffeomorphisms. The Poincare group is the group of *isometries* of the metric in special relativity.

The Special Relativity metric is *non-dynamical* (unlike GR). It defines the coupling *constants* of your theory. If you change the metric in any nontrivial way you are changing your theory. An operation can only be called a "symmetry" of a special-relativistic (non-gravitational) theory if it preserves the metric, and therefore the symmetry of special-relativistic theories is the Poincare group only. General Relativity (gravitation) has a dynamic metric.

NIM A 355 537 (1995)
Physics Letters B 328 103 (1994)
Physical Review Letters 64 1697 (1990)
Physical Review Letters 39 1051 (1977)
Physical Review 135 B1071 (1964)
Physics Letters 12 260 (1964)
Europhysics Letters 56(2) 170-174 (2001)
General Relativity and Gravitation 34(9) 1371 (2002)

<http://fourmilab.to/etexts/einstein/specrel/specrel.pdf>
<http://www.geocities.com/physics_world/sr/ae_1905_error.htm>
<<http://www.physics.gatech.edu/people/faculty/finkelstein/relativity.pdf>>
Longitudinal and transverse mass

<http://arxiv.org/abs/gr-qc/0306076.pdf>
<<http://www.metaresearch.org/solar%20system/gps/absolute-gps-1meter-3.ASP>>
<http://www.navcen.uscg.gov/pubs/gps/gpsuser/gpsuser.pdf>

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<http://www.navcen.uscg.gov/pubs/gps/sigspec/default.htm>

<http://www.navcen.uscg.gov/pubs/gps/icd200/default.htm>

<http://www.trimble.com/gps/index.html>

<http://sirius.chinalake.navy.mil/satpred/>

<http://www.phys.lsu.edu/mog/mog9/node9.html>

<http://egtphysics.net/GPS/RelGPS.htm>

<http://www.schriever.af.mil/gps/Current/current.oa1>

http://edu-observatory.org/gps/gps_books.html

<<http://www-astronomy.mps.ohio-state.edu/~pogge/Ast162/Unit5/gps.html>>

> *If anyone*

> *provides a significant rebuttal that cannot be objectively answered, the*

> *material at the Website will be withdrawn.*

Right, like your head has ever been withdrawn from your ass – even when you shit.

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Uncle Al

<http://www.mazepath.com/uncleal/>

(Toxic URL! Unsafe for children and most mammals)

<http://www.mazepath.com/uncleal/az.pdf>