A Model for Reinterpretation in Physics: Applied to the Michaelson- Morley Experiment

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Abstract

Space is interpreted as a construction of single sided open surfaces that define volumes and space. The property of coordinate location, definable uniquely by any parameter pertaining to it, is established as an entailed concert of any / all parameters peculiar to a spece and immiscible with sets describing other spacess- as a unique set of parameters to which a universal apriori force (of self avoidance), apriori time space and energy, mutually entailing, self entailing is ascribed . An example is provided in a discussion of the Michaelson-Morley (12,13) experiment.

Paradoxical dualisms of equals and opposites to enforce balances pervade physics theory. In contrast, a singly existing unidirectional apriori force is argued to naturally exist as a fact of a situation of uniqueness and a universal fact of a composition of particulars to which statistics is applied for the purpose of approximation though, by its' nature excuses uniqueness as a universal property (7). A universally existing force of self-avoidance is stated to exist as a matter of universal uniqueness and can fall into no other category. A stratum to define this force is attributed to a mathematical open one sided surface that is postulated to define volumes and space itself and exists, theoretically grounded, with the tenet that each point on it's surface is unique, and is physically translatable to a force of self avoidance (4) definable/modulated by distances and parameters of approach of sections of the same surface. This view also provides a fact of the apriori existence of time and motion-all elements and the whole are thus self subscribing and self contained, each one entailing the other such that all appropriate parameters sufficient to describe aspects of a particular location, which by definition are unique with respect to surface densities, shapes volumes, i.e. parameters that lend an identity to a particular space are each individually alone suited to describe all aspects and are interchangeable but immiscible and incoherent with respect other spaces.

For the purposes of reexamination of the Michaelson-Morley (12,13) the following concept is introduced:

If one considers for instance an inert object or particular human being or a species to be defined similarly , as a unique space , time can also be defined as divided exclusively between legality(absolute factors that define freedoms of motion) and uncertainty-and entails as self definition a process of decision between the legal and the uncertain, i.e. Einstein legality (5,6) if one accepts the theories of relativity as law and Heisenberg Uncertainty (6) as a theory of the uncertain , spends his time uncertainly divided between the two, they in essence define a particular time for that particular individual as well those who likewise pass time the same way with theoretical physics, but are distinct and parallel from others who are occupied differently ,but still whose time is occupied likewise by the same process of decision. With regards to a general process and associated parameters, all individuals can be described as a single location, yet one occupied one way is not conceived to share a location, has a set of distinct, interchangeable, self and mutually entailing parameters that are immiscible with those of others whose occupations are not described by the same factors; considered as a group a single unique location is indicated, but as theoretical physicists still another group is indicated and is unique, distinct and immiscible from a total of everything (.i.e. entities with a time defined by decision making between legal and the uncertain).

The universe described similarly, based on inversion (i.e. single sided closed surface) , is construed in its entirety by sets of witness pairs, of the inert or living, or of the chemicals, biochemicals, organs, etc that compose the unique space assigned that identify it. All things in this description have a perceptual identity-occupy as defined space/volume that characterizes them.

In the the Michaelson Morley (12,13) experiment, if one regards measured light as a component of a witness pair, members of the Human Species as the other component and surfaces as the means of interaction-in total as a single unique location. A dimensional analysis employing parameters as follows:

Age (or either light or the human species) expressed in units of $\quad$ T=time

Surface areas (of light measured or of those composing
 a member of the Human Species) $\qquad$ A=Meters^2

Volume of either light measured or contained
by surfaces of the human species $\qquad$ V=Meters^3

Energy (total of light measured, or employed either in the formation
of the human species or for metabolic processes) $\qquad$ E=(gram)(meter)^2/(time)^2

Force=ma=Energy/Volume/Area $\qquad$ F=(gram)(meters)/(sec^2)

It is proposed that a measured value for the velocity of light is but a single location parameter in the unique witness pair human being and light, for which a force is also entailed that is also a function of characteristics of surfaces, volumes and energies for which the velocity of light is but one parametric component. In contrast to current notions an inversion/twist and a force/stress with a plus or minus parity in relation to a grounding positive is common to all components. Certain location parameters (forces) as both consequential and causative agents, self subscribing , may have a significance in history(2,16), behavior problems related to the earth, its' environment in space, and cognition, in which real constructions are skewed in a genetic (1,10,15) like fashion, if not also reflected in biological/genetic changes involving inversions and misreading.

References

 1)   Chen, YingPing, Goldberg , David ,E., (2005) Convergence Time for the Linkage
Learning Genetic Algorithm, Evolutionary Computation; Fall2005, Vol. 13 Issue 3, p2 79-302

 2)   Coleman, P. Nature 446, Frontier at Your Fingertips: Between the nano-   and
micrometre scales, the collective behaviour of matter can give rise to   startling emergent
properties that hint at the nexus between biology and physics, 379 (22 March 2007) |
doi:10. 1038/446379a; Published online 21 March 2007

 3) de Sitter, W., On Distance, Magnitude, and Related Quantities in an Expanding Universe (1934)

Bulletin of the Astronomical Institutes of the Netherlands, Vol. 7, p.205

4)   Einstein, T.L. Survey of Self Avoiding Random Surfaces on Cubic Lattices: Issues, Controversies, and Results IMA Volumes IN Mathematics and its Applications Springer Verlag KG 1992

5) Einstein, Albert Physics and Reality Journal of the Franklin Institute 22 1:3   359- 382 March 1986 Tilton, H.B., Smarandache, F. ed. Today's Take On Einsteins' Relativity Proceedings Of The Conference At Pima Community College East Campus Feb 18 2005 Pima College Press

6)   Kirsh, Marvin, E. Form Generates Form: Time as a Second Order Rate Constant From Indecision Between Heisenberg Uncertainty and Einstein Legality 2007 (in review Ludas Vitalis)

7) Kirsh, Marvin, E. Uniqueness and Self Belonging in Nature 2007 (in review Ludas Vitalis)

8) Knight, D. Kinds of Minds: Do differences in history, culture and education   influence whether scientists focus on pieces and particulars, or make broad connections?, Nature 447, 149 (10 May 2007) | doi: 10. 1038/447149a; Published online 9 May 2007

9) Lam, Vincent (2007) The singular nature of space-time. In [2006] Philosophy of Science Assoc. 20th

10) Li, Maojun, Fan, Shaosheng, and Luo, An,(2004), A Partheno-genetic Algorithm for Combinational Optimization, Neural Information Processing: 11th International Conference , ICONIP 2004, Calcutta India

11) Martinez-Conde S (2007) Mind Matters, . Blindsight: When the brain sees what you do not the Scientific American blog on science and mind

12) Michaelson, A., Morley, E., (1886), Influence of the Motion of the Medium on the Velocity of Light Am. J. of Science 3 1:377-386

13)   Michaelson, A., Morley, E., (1887), On the Relative Motion of the Earth and the

Luminiferous Ether Am. J. of Science, 34:333-336

14)   Peccianti,M ,Dyadyusha A, Kaczmarek M., Assanto, G. Turnable   Refraction and Reflection of Self Confined Light Beams Nature Physics 2:737-742 November 2006 (Letters)

15) Pelikan, Martin, Goldberg, David, E., Tsutsui, Shigeyosh (2003) Getting the best of both worlds: Discrete and continuous genetic and evolutionary algorithms in concert Information Sciences; Nov2003, Vol. 156 Issue 3/4, p147

16) Yu, Tian-Li, Yassine ,Ali ,A., Goldberg, David,E. (2007) An information theoretic method for developing modular architectures using genetic algorithms Research in Engineering Design Vol18 Number 2 p91