

# Observation, Harmony, and Inference in Physics

## *Complimentarity with Dynamical Transforms*

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### Introduction

For of what is founded on principle; without qualitative determination of two base precepts of physics; & a third; there is no strict conformality to physical law; and arguments of physics prove fruitless, unconventional, or illogically determined as invalid of a solid footing. For what is the third; there is exception to what is a solid foundation in the precept of measurement, test and repeatability, and the inward determination of comprehension and conveyance of meaning. That of physical law is dependent therefore on as it were three given's; the presentment here is that these basic and essential determined factors of what is convey and carry importance for the establishment of test functions and experimentation; holding neither phenomenology nor that of experiment but instead measurement higher than the other. It is therefore a basic precept of science that factual intimations of event's subscribe to a conveyance of what is knowledge with the fundamental precept of a philosophy of comprehension prior understanding; a relation, lesson, and intimation which must be taught.

The first precept of which was realized by me was that the particle wave structure of reality when understood to convey equipartition of space and space; yields alone and consolably a theory of division of space into units of conveyance of information within the classical equation  $E = mc^2$  that of the conveyance of the unit of conversion of space to space via temporary relations of space via time of knowledge. This spurned the technological evolution of the world during the midpoint of the 20th century; and seeming represents a meta concept to which is intimated in the information revolution; that of the auspices of deliverant notions of all but a plea to peace or recourse but to wares and manufacturing. The second elemental revolution therefore took place post the era of the industrialized revolution; and went with the airplane the laser and space travel; to which we one day hope to colonize a foreign body or planet. In speaking of what is real; it is of an era that we go beyond; and so it is that a marginal step be taken; but what of motion; for this equation is a conversion *system* when untruncated into momentum and energy of form of relation of conveyance of matter, energy, and information. That of what is required is to 'get behind' the intimation at that of **interference** then; to free the 'bond' of which we are in surveyance. It therefore occur's to make an amendment to what is the wave and particle theory of which is quite simple; here dependent on complimentarity and comparativeness.

This is the substitution of one particle freely within one held space into another; so that one particle may co-occupy one space with another; or be unseparately sequestered aside to the departure to counionable differences of it's evolution. The taxed cost is that of manufacturing carrying a caveat within the medical sciences and improvisational tools of manufacture of chemicals and materials. This is the quintessence of overcoming the material nature secondarily of being; to a known; that of the advancement of a group theory to the world; in the form of spaces, times, and ordinal event structures of a pure relation of intimation secondarily holding a validly interpreted and supporting measurement theory of relation to predictive validity. Therefore we may take:

$$\Phi(x, v, t) = \eta e^{-i(\kappa\theta + \tau\phi)} \leftrightarrow \Theta(x', v', t') = \rho e^{-i(v\mu + \epsilon\psi)} \quad (1)$$

## Closure over Monadility

The 'aspiration' here[in] is to disclose various fact(s) as they relate to circumstantial and denominatorial evidence of a phenomena. Thus, to categorically impute *in-words* of the relationship of mathematical language to philosophical dialog and argument to computational imperative and interpretation to that of phenomenological imputation and phenomena *in interpretation*. There is only a quasi or psudeo basis to that of various dialog entreatment(s) as they transfer in conventional language of perceptual qualities and meanings of the relationship as it transmit(s) from one individual to another in the various categorical limits (inclusive) of end-addendum of these bases, to be warned-of, without means of technical example. We seek here, therefore to innovate a style of language of particular assumptives on canonical ray and expectation of various experimental bases, and to sketch a rough skeleton of theory in philosophy of science, and no mere-guidance is to suffice, but for in expert testimonies. Of history, however, it remains analytic, of which we may play subject to a dialog and determination of factual import, and evidentiary, the 'analysis situs', and such.

Thus, the first assumptive will be that we operate with categories, for which there is an endomorphic category, ray, and lie group, for in the conversative basis of homotope, and that of analytical limit of algebraic assumptive (of four).

- 1.) *A monad and comonad of category theory.*
- 2.) *A compact manifold with algebraic reciprocity within an elliptic basis.*
- 3.) *An analytical rule of observation in relation to a law of inheritance, induction, and inference.*
- 4.) *A Lie group \* representation, for which is related to projective qualities for in a field extension with defined analytical relationship.*

Thus, the rule is a homotopy category 'rule' relating to a comonad  $(L, \epsilon, a)$ , of which relates via (the following) to observation:

$$L\delta \circ \delta \rightarrow L^2\delta \rightarrow L^3 \quad : \quad \delta L_\epsilon \rightarrow L^3 : a \quad (2)$$

Thus, the  $l(1)$  and  $l(2)$  of a mathematical relationship on measure in Lebesgue-measure encode the homotopy of the  $C^2$  or  $C^1$  function(s), and chain(s) of functions:

$$f_i \circ \Sigma_i \Pi_j u^{i,j} \tau_{i,0} \circ \tau_{i,1} \dots \circ \tau_{i,j+k} \dots \circ \tau_{i,n-1} = L \quad (3)$$

For which a rule holds, by the inherited homotopy of the categorical mapping:

$$\tau_{i,j} : i, 0 \leq j \leq k \leq n \quad (4)$$

The 'group-and-carry' involve the aforementioned 'circumstantial' and 'denominatorial' of persuasion that we acutely determine of the following on-two-factual itemized-truth containers.

**1.) Denominatorial/Circumstantial**      (2.#).1.0 is the code for in a contained two **or-greater**, to which one identifies with another, of some.

**1.) Circumstantial/Denominatorial**      1.2.[#] is eliminability of the truncation of the self under mutual pliancy to an equivalence for in carry to self identity.

Thus, in abstraction  $R/B/L$  in Red, Black, Left, and Right, Black, Left [ in-abstracted or abstraction ], thus making the difference of self and other \* stipulation.

## Resolution\*

The given scenario relates to a problem, of which it is determined, in-retrospect that an equation of-form:

$$h(x)\frac{\partial^2 T}{\partial t^2} + g(x)\left(\frac{\partial T}{\partial t}\right)^2 = \alpha u^2 + \beta \frac{\partial u}{\partial x} + \Omega_{(0,\infty)} + \eta x + \delta \quad (5)$$

The guiding principle is to take the *Kurtosis-acceleration* and relate it to the spinwave(s).

Admittedly, *then* the various 'symmetries' may be explored, of Elliptic, and of the algebraic relationships in terms of the differential equation... for instance, of groups.