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Temporal Mechanics

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Stephen Jarvis, Founder and Director of Equus Space (www.equusspace.com), is the author of 35 papers (<http://orcid.org/0000-0003-3869-7694>) central to a new approach to both physics and cosmology theory, employing the use of a new mathematical algorithm that adds more granularity to the measurement of time and associated nature of space, an algorithm related to our perceptive ability of time-awareness, directly solving the current problems in physics and cosmology theory, while also arriving at a more substantiated and practical set of predictions for space research and exploration.



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Preface

As these papers shall propose, although Einstein acknowledged c is the same for each reference in space for bodies in relative motion, he failed to recognise that “time” is also a *primary* constant for c , as a type of universal moment in each reference in space where *at* c time does not pass (despite c still conferring a wave function propagation). In short, Einstein merely described the idea of time as relative temporal incursions between non-zero mass inertial bodies in motion in regard to a c -based wave function propagation of light. Here, Temporal Mechanics addresses both concepts of time, the *primary* universal c time where “at c ” time does not pass for a primary wave function of EM for any location in space, *and* the *secondary* inertial-based relative motion incursions of time for non-zero mass bodies in reference to the c -based wave function of light.

The thinking here with Temporal Mechanics is that *the right initial model should derive the known phenomena equations and values, provided that the data exists to confirm or deny that new axiomatic base and association derivation possibility.*

The demonstration here by Temporal Mechanics is that the *ultimate equation* is merely a “concept” that explains the relationship between time, space, and light, all held as a “model”, if and only if it can derive all the known basics, namely the particles and their field effects, and their relative metrics, in bridging the large-scale with the small-scale, or more precisely, in forming a link between gravity and EM, while fundamentally explaining the relationship between mass and energy.

In setting the stage therefore, Temporal Mechanics proposes the idea of taking the arrow of time as a c wave function in giving it more dimensional utility and how such relates with 3-d space. To do this though, of course *Einsteinian time*, relativity time, needs close examination, together with addressing the *photon model of light*, by which a few issues with the design of relativity theory need to be uncovered and discussed as being the cause of the problem central to the disparity between SR and GR, between EM and gravity, and GR’s failure in incorrectly deriving the cosmological constant value.

Temporal Mechanics represents 35 consecutive papers on the idea of time-points in space forming a general time-space tapestry leading to the manifestation of all physical phenomena. The whole process of logic is a departure from standard physics in that standard physics relies entirely on the logic of “mass” (momentum and inertia) to describe space and time, yet here the idea of time is given priority with space to explain phenomena in that time-space realm.

- Papers 1-18 detail the basic tenets of the idea of the temporal calculus of those time-points in space and how they relate specifically to the human perception reference.
- Papers 19-21 then move on to summarise the findings of papers 1-18 to explain more broadly the Dimensional Mechanics between time and space.
- Papers 22-23 then explain the result of the dimensional mechanics of time and space as a type of Time Aether, those energy dynamics and associated wave-function logistics with the time-points in space.
- Papers 24-28 then describe the general Temporal Calculus at play in the pan-scape of all that is observed of natural phenomena.
- Papers 29-33 then describe the fundamental theoretic problem at play in contemporary physics, and thence the general and specific solutions to that fundamental theoretic problem.
- Papers 34-35 then move to identifying the basic *metrics* and *logistics* involved in the seamless inter-relationship between human consciousness and the baseline phenomenal features of time and space, those general patterns of interplay.

For navigation, all external references made in each paper are linked to the reference section of each paper, and all other references in between the papers here are clearly annotated and can be navigated using the side-bar tool of the PDF reader corresponding to each inter-paper reference.

Stephen H. Jarvis, June 2021.

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