

Wolfram's New Science

An open letter to: Stephen Wolfram
 C/ Complex Systems
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Dear Stephen Wolfram.

In July of the 02 year I first looked at your website. your site was recommend to me by a young Canadian science researcher studying my Sequential Physics, a very new kinda' physics. I am the author of books and articles drawn from my Sequential Hypothesis and the Sequential Perspective of quantum theories that it offers. These works have been published for a very select readership. However, I have written four books on the subject of my sequential physics that will soon be available.

I examined excerpts from your book and recommended its reading to my son Andrew. Andrew, as a physicist, is on the virtual world programming team at Linden Labs in San Francisco. If you or your people want a state of the art virtual world experience try:

www.lindenlabs.com if you have not already.

My son Andrew handed me a copy of your book last month. I explored it in amazement over the parallel aspects of our separate and independent thesis on the finite orders of complex reality. Your intellectual and con-ceptioning adventure was amazingly similar to mine. Though my thoughts did not form around programming logic, I came to the same basic conclusions on simple rules for complex systems.

Your preface and introduction on your early efforts and time spent pursuing the Foundation for a New Kind of Science was in essence a description of my own adventure in Sequential Physics. The graphic documentations of your book are superb and your appeal to the intellect and enthusiasm of your potential readers is much more succinctly put than mine.

The books I have searched through for ideas similar to sequential physics, since the formal organization of my concepts, can be stacked to the ceiling. Your vast treatment of simple rules for complex systems is the closest to mine of all the proposals I have read. More than that you have accomplished the one task that I have not yet gotten to.

A statement I made to my son Andrew on reading your book.

“If on completion of my hypothesis, had I had the resources and know-how, in thirty years, I might have produced an experimental computer validation of my concepts. Thanks to Wolfram's New Kind of Science, it only took a few years of anticipation, a few months of waiting and two weeks of reading. I only hope he can find the same types completions in my work.”

I realize that we are each beating around the very same insightful bush with the same basic model. On my examination of you book, I found a consistent line of possibilities you have not yet tenured within your concepts. And, my concepts perfectly fit on that line. As a specific comment my concepts, which are complementary to yours, are theoretically framed within a much deeper level of subtle physical orders. Hence, I present here a limited commentary on parts of your book. Within the commentary I treat my complimentary part under the title, Finite electrodynamics, as Prescriptive Fundamentals for Cellular Automata at the Threshold of Matter-space.

Perhaps a more extensive and refined presentation under that title will be a fitting article for your Complex Systems Journal.

Respectively,
Rod Johnson

A Limited commentary from the Sequential Perspective
on Stephen Wolfram's book
A NEW KIND OF SCIENCE
By Rod Johnson
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Jan 16,2003

As an introduction, all quotes from A New Kind of Science will be in Times New Roman Font and my commentary material will be presented in Tahoma. See the last page for List of numbered sources.

Your Preface

Just over twenty years ago I made what at first seemed like a small discovery: a computer experiment of mine showed some thing I did not expect. But the more I investigated the more I realized that what I had seen was the beginning of a crack in the very foundations of existing science, and a first clue toward a whole new kind of science.

¹ My **Preface**: Unraveling science mysteries has been with me as a fun preoccupation throughout my life. In the early seventies my perceptions in Sequential Physics began within some simple experiments with several mind phenomena. The experiments evolved into an incredible realization of an intuitive process for human con-ceptioning.

In those realizations I saw a vast glitch in the process of science theory. The indication was that conventional science cannot yet fathom the collective consciousness which exists in the realm of science discovery. Hence, we consistently see that breakthrough emerges from within independent synchronicities between concepts outside of existing conventional science.

Within that process I set forth a con-ceptioning experiment that was projected to last for over twenty years. Within that time it eventuality produced an entirely new view of the micro-physical reality and quantum data. And that new view will eventually merge and meld in synchronistic ways with other independent concepts into the new paradigm.

The details of the experiment are not germane to this preface, but as you will see, this book will demonstrate what I called "A quest within the mental matrix."

NKS Page x 3rd paragraph

Unfortunately however, this will no doubt mean that there are some-particularly from the existing sciences-who will at first assume that their existing technical knowledge must somehow already cover what is in this book. And a few, I fear, will stop at that point and choose to learn no more.

In the spirit of that paragraph, being a challenge for both of us, I offer the following from my latest book prefaced above:

²...Second, there is nothing in what you have already learned about the micro reality from which you can extend your reasoning into these concepts. This model is so vastly different that it may require a conceptual grasping that you are simply not prepared for.

Another reason lies in the point that though many thinkers have seen the superficial characteristic of the geometry they cannot comprehend the electro-dynamic

implications of it. That comprehension can only arrive within an intimate awareness of the natural space matrix geometry. If you have not explored that geometry do not delude yourself with thinking that the math you now command contains the information that you need. Calculating tools yes, but conceptual insight probably not.

NKS Page 2 Paragraph

I did what is in a sense one of the most elementary imaginable computer experiments. I took a sequence of simple programs and then systematically ran them to see how they would behave. And what I found-to my great surprise-was that despite the simplicity of their rules, the behavior of the programs was often far from simple. Indeed, some of the very simplest programs that I looked at had behavior that was as complex as I had ever seen.

³ When I fully understood the finite matrix sequences, in simple vector field terms, I then reduced them to their simplest phase wave-patterns. These phase sequences derived from the finite parameters of the natural space matrix are the basis of sequential physics.¹

As seen in the diagrams, the wave-patterns are in terms of simple vector field values that can be combined and mathematically projected. In their projections they are simple fundamentals vector phases that map the more complex properties of particle data or elements and their compounds.

Within their phase analysis one can produce a field-phase parallel for the properties of all 60 of the so-called elementary particles. The sequence nodes and phase wave-patterns manifest ratios and sums of nodes that can predict the seemingly complex properties of the elements.

I then intuitively knew that the most simple and irreducibly finite orders of the natural space matrix could manifest all of the complexities of an entire universe.

So within that realization in the mid 1970s I arrived as you did at simple patterns and their rules for complex systems.

NKS Page 8 paragraph 4

In the future of physics the greatest triumph would be to find a truly fundamental theory for our whole universe. Yet despite occasional optimism, traditional approaches do not make this seem close at hand. But with the methods and intuitions that I develop in this book there is I believe finally a serious possibility that such a theory can actually be found.

I sincerely believe that my Sequential Hypothesis embodies that theory. Yes, as I have stated, you have come the closest to realizing the Sequential hypothesis of all the theoretical proposals I have reviewed. And perhaps, as you continue you may arrive, if you have not already, at finite principles within the natural space matrix geometry that I formalized by the 1980s. If you do you will then see their role with respects to your rules of cellular automata.

I offer this not as a boast nor as a one-ups-man ship but rather with the same confidence in the value of my years of work as you express for your own contributions to the whole of this understanding.

¹ Note for this presentation: My first book is a three part volume and each volume is subtitled under the main title of, The Copernican Syndrome.

Finite Electrodynamics,² As Prescriptive Fundamentals
For Cellular Automata, At the Threshold of Matter-Space.
By Rod Johnson

AS A GENERAL NOTE: The geometric application I use to demonstrate the subtle proto essence of quantum phenomenon is so simple as to be profound. However, the geometry is not widely studied nor included in college curriculums. Twenty years of presenting my proposed ideas within this geometry to science enthusiasts has created some common realizations. And, when I categorize the general response of people to my geometric demonstrations I find:

First; People who are intimately aware of that geometry immediately see its application as valid. Other minds within which the ideas “sing” have explored the geometry to come finally to same accord.

Second; People steeped in the quantum notions and/or pop theories, no matter how educated, have demonstrated two dispositions. 1) They are ignorant of the geometry involved and 2) they cannot step out of their limited paradigm and explore the geometry or its radical possibilities.

I can, with respects to the above realizations, say that there has been only one exception.

So I will proceed with this commentary on points in your book that I claim are yet incomplete where aspects of my Sequential Perspective perfectly fit.

Though there are several areas of your work that would be embellished by my perspective I will limit this commentary to two specific concepts. 1) The nature of real space. 2), the simple rules within my Sequential perspective, which are prescriptive to your rules of cellular automata.

NKS: The Nature of Space Page 472 paragraph 4:

Particle physics experiments have shown that space acts as a continuum down to distances of around 10^{-20} meters-or a hundred thousandth the radius of a proton. But there is absolutely no reason to think that discrete elements will not be found at still smaller distances.

The size parameter, at the most discrete level, in my treatment of space is at 10^{-32} . That is an intuitive projection founded in theoretical considerations. Space is only a continuum in the sense of contiguous and connective forces in discrete EM actions. Within these actions the Sequential Perspective introduces the principle of coalesces fields. That principle involves convergence of forces that naturally follow the rules of electro-dynamics to become closer and more complex fields. This complexity dimensionally manifests a hierarchy of forms based on frequency divisions within the natural space matrix (NSM).³

The frequency divisions are predicable natural orders. Within their predictability they can mathematically project variation values into normally undetectable subtle ranges.

⁴We start from the known measurements of so-called particles as a standard, and apply them with the hierarchal progressions of matrix frequencies. In this way we can project

² In this context finite electrodynamics is a projection of principles for mechanical forces, as probable within molecules, generated between neighboring circuits carrying electric currents.

³ The NKS presents some of this hierarchy without a definitive description.

the ultimate size of interactions between universal dimensional systems down to the level of finite moments between them.

And, when we start with a measured force, of so-called particle interactions, and iterate that force within Coulomb's equation, based on the hierarchal progressions of matrix frequencies, we will arrive at the ultimate and finite quantum potential force.

NKS: Space as a Network; page 476, paragraph 3:

The pictures below show a few small examples of such networks. And already considerable diversity is evident. But none of the networks shown seem to have many properties familiar from ordinary space.

If "Ordinary space" refers to space as presently defined within science theory then there is one exception in the pictures, the tetrahedron.

The most common science assumption about ordinary space is that at least space is pervaded with EM fields. This pervasion is from photons to all sorts of cosmic radiations. Maxwell's definition of cascading EM fields in space is a literal definition of fields in tetrahedral relationships.

This tetrahedral definition of EM fields is not an abstraction. Neither is it a nit picking comment, but rather the central issue of the prevailing limits of the present paradigm. EM propagation in tetrahedral fields is a fact that science refuses, from within a collective convention, to recognize. Within the quantum particle convention there is no room to consider axioms that may be drawn from something so simple as the NSM. This is so, especially when it is considered to be associated with mystical thought and ancient traditions. Hence, science in all of its dissertations has simply missed the fact stated in the paragraph above about EM space fields.

As you will see, in my presentations, that until science realizes the intrinsic role of tetrahedral geometry in finite space they will continue in their struggle to understand the force/energy fundamentals of space and matter within space.

⁵ As we have seen, space though old, is neither plain nor ordinary. So, we can look beyond plain, old, ordinary space, as a nothing for somethings to be in, to see real dynamic space. Space is a general condition manifesting discrete characteristics. And when we see the natural nature of those discrete characteristics we realized how space knows how to be space.

For instance space knows how to manifest a universe full of potential and within present science reading only space knows what the source of that potential actually is. Space knows how to structure that potential in fields and then combine those fields into the "matter-space" of everything else.

This "matter-space" process seems to have a special characteristic for dividing complexities of its field boundaries into structural nodes. From photons in torsion to cells for bees storing honey "Matter-space" seems to have some built in hierarchy of patterns, each-template ready-and perfect for any structural need at hand.

The thesis of my hypothesis is that every existent molecular form, no matter how simple or complex, can be projected using axioms (irreducible rules) that are inherent within the natural space matrix geometry. This includes even the simple two dimension systems that you are working with.

NKS Page 24 paragraph 1

An important feature of cellular automata is that their behavior can readily be presented in a visual way.

Your beginning rules of patterns, as simple two-dimensional formats, can be seen as descriptive of three-dimensional complexities. You cover this point in your book. However, your examples do not seem take the idea quite far enough to find the Hyper-dimensional basics of three-dimensional space.

This is understandable since real physical systems are generally only manageable within 3D space. But, my contention is that to realize the unifying principles of "here and now" forces we have to understand the nature of their connections to a "there and then" symmetry of them. It just happens as an unrealized condition that the secrete lies within a natural finite geometry that holds all of the axioms for our number reasoning.

But let me demonstrate my view of that, in the spirit of "interesting", with a page about a metaphysical connection with the sequential hypothesis.

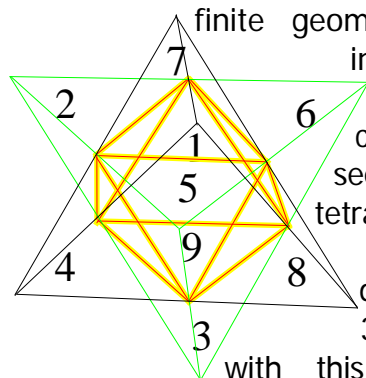
This material has been edited, to achieve more clarity out of context.

⁶One of my early discoveries came in a study of the old Taoist Lo maps. They are each a series of eight numbers around a central number, literally a binary set. In graphic terms they are like the nine square configurations within which we play tic-tack-toe. One map, in particular, seemed to be of central importance to Taoists alchemy. It provides the sum of 15 if the numbers are added as rows, columns or diagonals.

A connection between Lo Maps and the Ying Yang symbol cannot be proved. What can be proved is; all of the natural number systems that define reality and all of the number systems used in esoteric arts and metaphysics have roots in the sacred geometries of the natural space matrix.

Using the particular 15-sum-Lo-Map we can see a simple example of a common root between a mystical number system and a science based on the particulars of a finite geometric matrix. If we look again at the

2	7	6
9	5	1
4	3	8



interpenetrated tetrahedrons introduced in Chapter 1 we see an interesting connection. The 2D 15-sum-Lo-Map can be seen in a 3D configuration of the eight tetrahedrons around one octahedron.

This is more than just an arbitrary duplication of a 2D number map within the 3D space matrix geometry. When included with this interpenetrated tetrahedral matrix the numbers are an organized reference to a dynamical system for micro-physical-relationships defined within sequential physics.

Old Taoists, following the number sequences, were able to codify patterns for reading in their books of alchemy. The codified reading made book meanings clear only to an initiated adept. And, in the same sense, followed in the tetrahedral configuration the numbers are important for understanding the Sequential Hypothesis. They codify relationships of phases, circuits and their symmetries. As applied to the point we are getting at, there are some interesting correlations between the Lo Map numbers and the physical parameters that the matrix configuration represents.

For instance, the sum of 15 is the multiplier for the coherent nodes of the combined Sequences and their midpoint symmetries. The central number 5 is also the central phase multiplier. The patterns between the diagonal extremes and the middle column extremes numerically personify the primary sequences of the dynamical system for the Sequential Hypothesis. And there are some interesting things to note that apply to the sequential science on a deeper level.

A counter rotation of the differences between numbers in opposing outside squares produce the 2, 4, 6, 8, non-prime numbers sequence. And, the differences of diagonal corner numbers to the center number are 1 and 3 while the center column differences to the center number are 2 and 4. All of these number relationships become simple keys to greater realizations about reality.

Taoists used the simple number pattern to guide prepared readers in the performance of scientific or philosophical alchemies. And yet the same placement of the number sequences can be applied to a sophisticated modern science. In other words, that particular Lo Map that guided Taoist thinking is an intrinsic part of a new physics. In its origin it is literally the simple numerical map of a very sophisticated ancient Taoist Yin Yang diagram. Yet, the same diagram turned out to be a dynamical system for micro transitions detailed in a modern science.⁴

All of this number correlation comes not because of the mathematical inventions of people, throughout eras, but because of the finite nature of the numbers themselves. And, finite diagram that the numbers map, both old and new, emerged from the same finite source, the natural space matrix, which they both apply within.

All things that have been arranged by nature according to a workman like plan appear, both individually and as a whole, as singled out and set in order by Foreknowledge and Reason, which created all according to Number, conceivable to mind only and therefore wholly immaterial; yet real; indeed, the really real, the eternal.”⁵

Though this example is just an intro point of interest to the main thesis of this commentary it also personifies your comment on:

NKS Page 7 paragraphs 2, 3, and 4.

...But one also finds some dramatic new phenomena. Most immediately obvious is a very high level of complexity in the behavior of many systems whose underlying rules are much simpler than those of most systems in standard mathematics text books.

To explore this more completely we can consider your next two paragraphs:

And one of the consequences of this complexity is that it leads to fundamental limitations on the idea of proof that has been central to traditional mathematics.... ...But in the past they have always seemed irrelevant to most mathematics as it is actually practiced.

Yet what the discoveries in this book show is that this is largely just a reflection of how small the scope is of what is now considered mathematics. Indeed the core of this book can be viewed as introducing a major generalization of mathematics-with new ideas and methods and vast new areas to be explored.

⁴ Note: The dynamical system mentioned is the subject of the book and is not presented in this example. The Yin-Yang symbol connection is not related to the classic Yin-Yang but rather a very different version found only in Taoist lore.

⁵Number, Tobias Dantzig

Within the spirit of those ideas let us consider one of the vast new areas to be explored. This area is not new in and of itself, but the present general interest in it is quite new. The geometry we will apply has been around for thousands of years. Yet it has been rarely treaded within modern science.

The geometry has been previously mentioned here many times as the natural space matrix. (NSM) And we will operate within it here using electric-magnetic knowledge that has been with us for at least one hundred years or so.

You have presented some startling examples of that geometry on page 43. Though architects of that era were not intimately acquainted with the composite natural space matrix the geometry of the natural solids and related constructions were to them as basic as algebra and trigonometry are to us. Hence, all of their more sophisticated designs were generated from those basic geometric relationships. However, both of our theses can see the simple matrix relationships as the fundamentals of all complex creation.

I realized that the final validations of my Sequential Perspective lie within computer programming. That is the present need for my intuitive projections and a challenge I hope that my son Andrew and others will "come to meet".⁶

At this point, and in the theme of my original proposal, I would like to demonstrate a very small part of the "...vast new areas to be explored" which you alluded to. I will demonstrate this new area as a special case for your cellular automata.

Finite electrodynamics, as Prescriptive Fundamentals for Cellular Automata at the Threshold of Matter-Space.

I propose that there are prescriptive rules for cellular automata that can be projected within the boundaries of molecules to the very threshold of matter-space. Further, that they are ordered by the fundamentals of electrodynamics in a pulse format. They are determined by relationships of discrete potentials of space naturally following electric-magnetic principles. Hence, I wish to demonstrate how natural potential, within the fundamentals of electrodynamics and bound within natural matrix orders, prescribe simple rules for the evolution of the complex systems throughout all natural phenomena.

For this special case cell automata, as potentials, are equal and within space they are electro-dynamically bound within the finite axioms of the NSM. And within this condition there is no such thing as an autonomous cell. Their interactive rules are;

Rule 1: Any two adjacent potentials (cells) constitute a field in charge symmetry.

Rule 2: All fields are equal and are equally distributed in perpendicular relationships.

Rule 3: Fields combine in 3D spatial distributions.

Note: Polar potentials of combined field distributions can either attract or repel each other and thus be in unequal variations. However, as the 3D matter-space whole all variations within a given universe, through hyper-dimensional inter-phase⁷, are fully conserved between universes in contiguous balanced equilibrium.

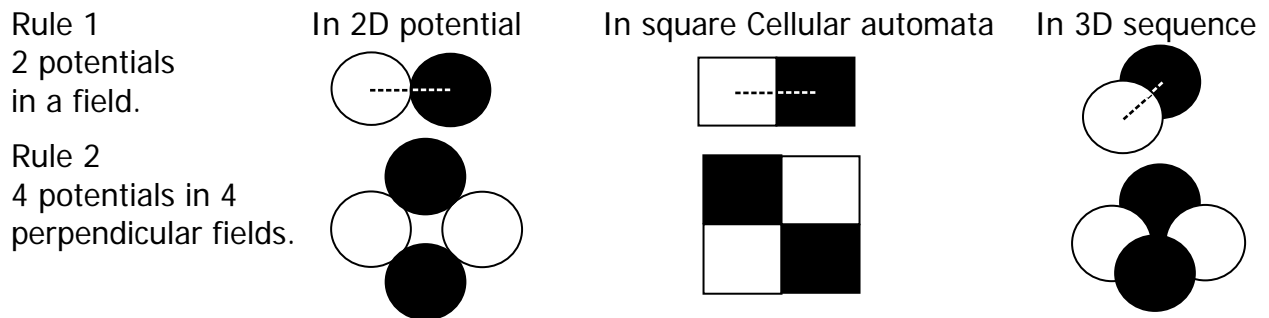
⁶ The geometric extensions of the NSM have not been and are not necessarily limited to computer computation. For instance I had fully and graphically demonstrated this area of concepts without ever sitting down at a computer. Then one day a friend dropped by and set up a computer for me saying "Rod it is a bout time that you started computer processing all of those science notes and graphics you have been talking about through the years." And, Yes, the sequential hypothesis was formalized by the spring of 1987.

⁷ Inter-phase connotes finite moment-to-moment hyper-dimensional functions that are not presented here.

In other words, all of the principles of electrodynamics, torsions and counter torsions, charge and charge symmetries, cancellation, attractive repulsive properties and field magnitudes are inherently manifest within these rules.

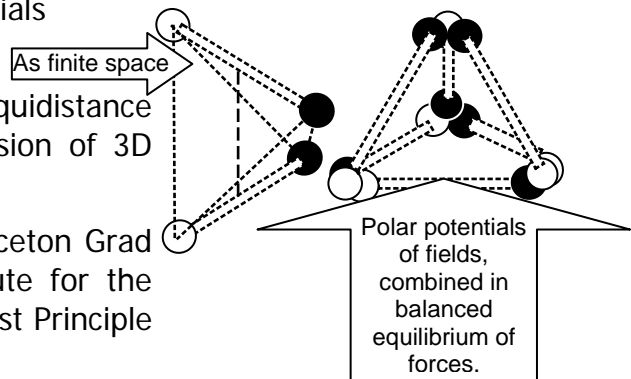
These rules are more intrinsic to physical science and much more simple as natural rules than your arbitrary cell rules. These rules hinge upon an understanding that the source of universal wide potential lies within the infinite moments between universes. Further, hyper-dimensional-functions within each moment are the finite basis of the infinite charge relationships between potential. So we will say here that these cells of cellular automation are each a potential within a charge symmetry.

Here, we will compare cellular automata circles with squares, as potential, to demonstrate an inherent difficulty of square and cube abstracts in understanding natural constructs of spatial reality.⁸ Here the 2D cell circles can be seen as 3D spheres.



Rule 3: Fields combine in 3D spatial distributions.
4 planes with 12 combined connective potentials
in 6 fields.

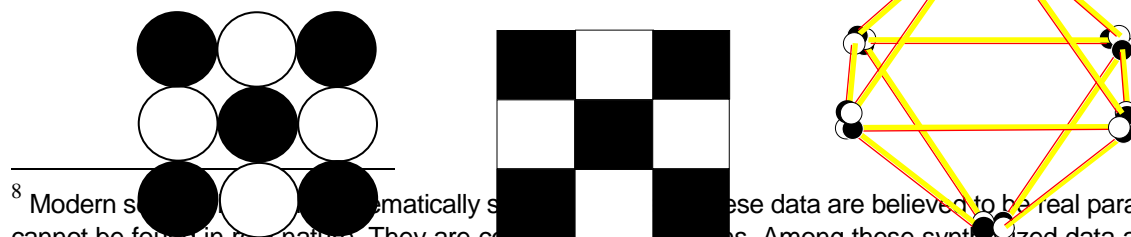
Two perpendicular fields with all potentials equidistance
apart are the most finite geometric expression of 3D
space and define a tetrahedron.



On discussions of this concept with the Princeton Grad
mathematician Arthur Young, at the Institute for the
Study on Consciousness, he labeled it the First Principle
of Spatial Physicality.

The pertinent point to be made here is, that it is not possible to correctly model the first principle of spatial physicality with an abstract square or cubic motif. There are so many examples in data that real space is in tetrahedral constructs that it makes modern science seem foolish not to have already seen that.

An octahedral complexity of the 3 rules:
9 planes of 24 connective potentials as 12 fields.



⁸ Modern science automatically synthesizes these data are believed to be real parameters but cannot be found in real nature. They are conventional abstractions. Among these synthesized data are squares and cubes in Cartesian coordinates, wavelike behavior in mass particle orbits, singularity, and time.

Beyond this level of spatial field distributions it is possible to make indirect references to more complex space with two-dimensional systems and cubic definitions as seen here. However, in its ability to describe spatial reality, such a model keeps breaking down with respects to the matrix hierarchy at regular and random intervals of sequences. And the more complex the form order the more limited cubical definitions become. The simple solution lies in the adaptation of the space matrix geometry.

For instance interpenetrated tetrahedrons can be defined within a cube. However, as an electro-dynamic they express 48 potentials in 36 field actions connective in infinite circuit possibilities. So why would we want to analysis them at the gross level of a cube?

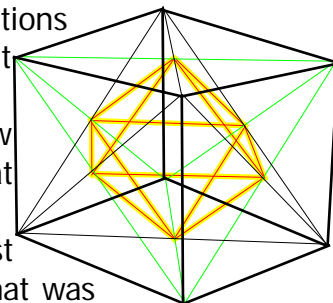
My contention on this follows that of Bucky Fuller who saw cubical references and measurement as abstract mathematics that are just a bit short-sighted.

As a ready example, Max Planck basically found the lowest common denominator for all of the black body radiating energy that was measured in cubical Cartesian formats. It is close to $2/3^{\text{rds}}$ of any unity volume of energy.

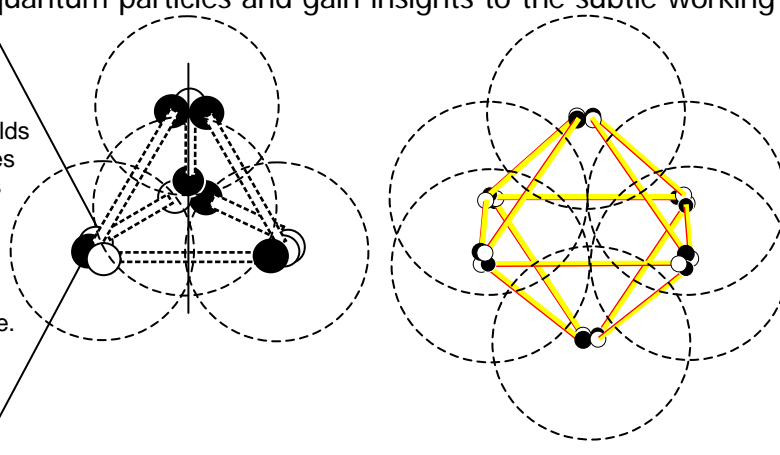
The volume of a tetrahedron is $1/3$ of a cube that has the same element edge. The sequential perspective sees any energy unit as being a vector field form that is equivalent of two tetrahedral fields with a combined common face. Their volume of course equals $2/3^{\text{rds}}$ of a unity cubic measurement. When the quantity $.666$ is considered in terms of the permittivity, for a black body energy system, it equates with Planck's constant.

Further, if the photon vector field force of the Sequential Perspective is calculated in terms of the energy needed to sustain it, its energy equals the energy constant. Had Planck understood the first principle of spatial physicality he might have intuited the near value of his constant and might have simplified his rigorous process of calculating it.

As partially demonstrated in the graphics below, following the simple rules of electro-dynamics, potentials define fields, fields distribute within the bounds of the NSM into field complexities, field complexities converge in ever changing frequencies to become composite fields. In a natural order of geometric axioms composite fields close pack in variations of the crystalline orders as elements. The insightful person can begin to see in this an alternative to so-called quantum particles and gain insights to the subtle working of a new chemistry.



Moment potential as fundamental fields between universes follow simple rules of electro-dynamics to become fields that define forms of all matter and space. Within these principles and rules, it becomes easy to see how natural potential can distribute in the myriad crystalline variations of nature.



The NKS covers 2D projections into 3D space in fair detail. It also mentions that 3D-dimensional projections can rise from 2D pattern rules that are even more intrinsic and simple. However, as close as they came, your propositions missed the fundamental and important nature of the Natural Space Matrix.

Intuitively, within a familiarity of the NSM, one can see how, using its geometric axioms and the simple rules of electro-dynamics, every basic electro-static and magneto-static condition can be modeled. And when the concepts are applied, with vector field and phase physics analysis, answers to the mysteries of quantum data follow.

A few examples: ⁷ When the Octa-tetra matrix field relationships are mathematically applied to the fine structure constant the ratio of 1/1.379 and the reason for that ratio becomes very apparent with vast illuminating advantages.

When the hierarchy of matrix frequency forms and their roles with respect to so call elementary particle logic are considered the nature behind the weak-force/strong-force ratio becomes extraordinarily clear.

If the vector possibilities and their composites are broken down in their specific orders they can mirror the properties of the 60 so-called elementary particles.

When the sequenced wave patterns are understood their numbers and ratios describe every chemical property of the elements, especially the electro-dynamics of electron negativity in chemical valence.

When data of the hallmark quantum science experiments are re-interpreted from within the Sequential Perspective the logic flows consistently and leaves no mysteries.

Following within the present paradigm quantum science disrupts the phases of natural fields in high-energy physics not realizing them within their simple composite geometry.

Put rather bluntly, the rules of electrodynamics, within the context of the Sequential Hypothesis, and as seen in these simplified graphic demonstrations here, are prescriptive to all natural phenomena. And, they add up, within a consistent geometry, to a quantifiable unified field approach to the natural forces in every way that I am personally able to ascertain.

This treatment has been, of course, a minuet and simple sketch of my concepts. I hope not so simple as to be unable to demonstrate their compliment and/or correlation to your New Kind Of Science.

Of course, I offer this material in an enthusiastic support of the breakthrough you have accomplished. And, I am presently distributing a summary sketch, in 24 pages, of my Sequential Hypothesis. It is on a CD in the same Msword2000 format and graphics as is this letter and commentary. You are invited to its exploration if you so request.

respectfully,

Rod Johnson rodj@299e.net by snail mail;

LIST OF SOURCES:

1 From; A Letter To My Son on Sequential physics and Mystic Symbols.

2 Ibid

3 From; The Copernican Syndrome-Book I: A Vector-Phase-Space Alternative to Particles and atoms of molecules.

4 From; The Copernican Syndrome-Book II: A Hyper-Dimensional Mechanics.

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- 5 From; The Copernican Syndrome-Book I: A Vector-Phase-Space Alternative to..., Chapter 1, ...how does space know how to be space...?
- 6 From; A letter to My Son about Sequential Physics and Mystical Symbols, Chapter 4.
- 7 Summarizations from; The Copernican Syndrome-Book III: Sips From The Holy Grail of Science.