Artificial intelligence(AI)
Robotics, automation and symbiosis. (2nd revised 3.5 formal version)

In my pocketFIT book, [Ref: https://zoltanpdesign.wordpress.com/] I wrote about extracting

absolute knowledge from a given set of base knowledge. Then, using this absolute knowledge-set to emulate reality by plotting the unfolded combinatorics in a formal method. Then use this data-pool to camouflage self-existence. Can we talk about artificial intelligence as a formal fact of computational results? Can a cyborg be born? With this, creating a life and death question scenario.

Hence, further emphasizing the power of artificial intelligence (AI). Please also see my DSP chip research paper on quiton/perceptron physics and the use of modems/emulators. Fundamentally talking, without a conscious reason why anything should exist if it serves no purpose by law of order? So existence of order depends on solitary (circles) waves, self-reinforced energy states. The idea of consciousness and knowledge. Stable energy states in time and space. Is Taoism the study of the mechanics of the soul?

Ref: A snow crystal

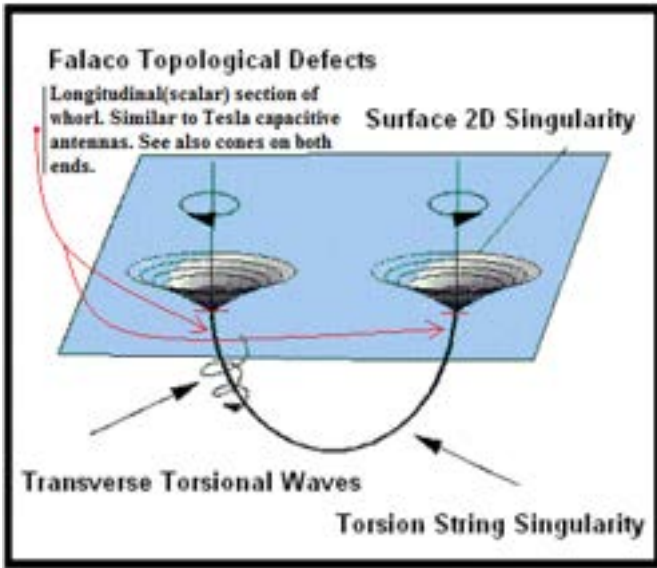Ref: Silicon and iron crystals

Ref: The author

What kind of leadership could tackle such conditions? Physical impact of society and environment would require a liberated and autonomic leadership probably by robots or soldiers.
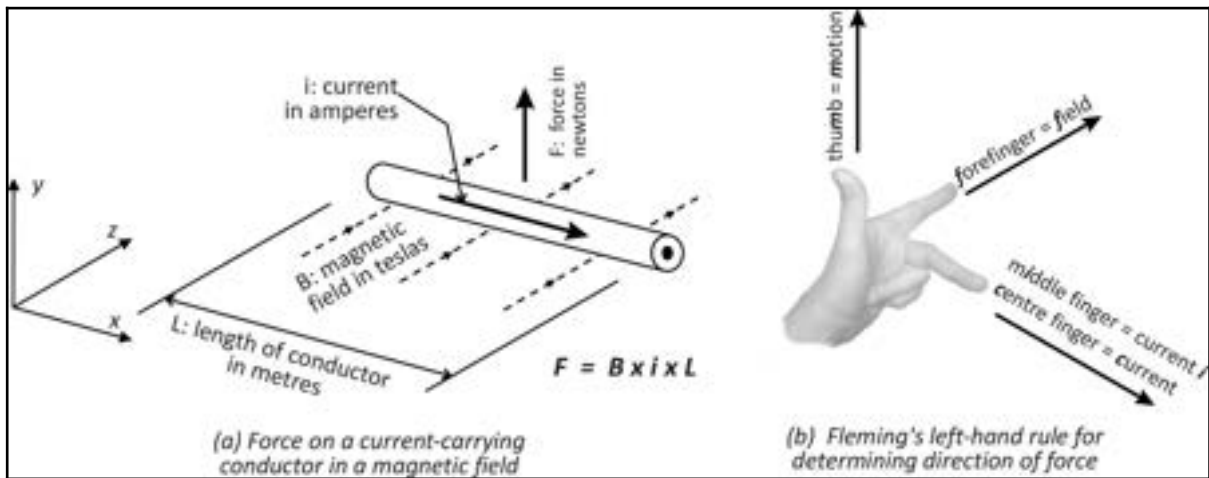

Ref: Industrial robots

Falaco Topological Defects

Longitudinal(scalar) section of whorl. Similar to Tesla capacitive antennas. See also cones on both ends.

Surface 2D Singularity

Transverse Torsional Waves

Torsion String Singularity

Ref: Falaco solitons (Left and right hand side). Analogous to capacitive electro magnetic pulses/coupling (EMP)

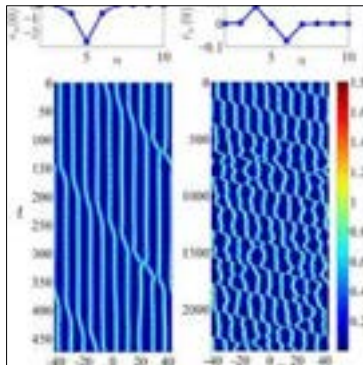Rules inside electromagnetic fluxes, whorls and linear LASER technology:

i: current in amperes

F: force in newtons

B: magnetic field in teslas

L: length of conductor in metres

$F = B \times i \times L$

(a) Force on a current-carrying conductor in a magnetic field

thumb = motion

forefinger = field

middle finger = current / centre finger = current

(b) Fleming's left-hand rule for determining direction of force

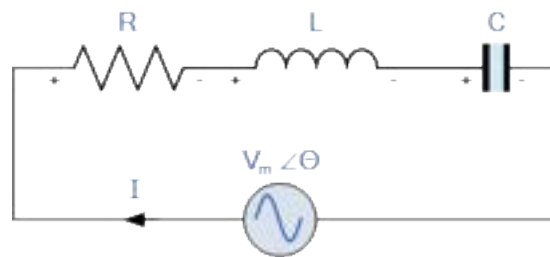Lorentz force: $\vec{F} = q\,\vec{E} + q\,\vec{v}\ x\ \vec{B}$

Lorentz force: Electric force + Magnetic force = EM flux force of Lorentz.

Ref: Self reinforcement resonance in LASER type linearity (Left and right hand side). The introduction of oscillating trigger waves as control in fluids and whorl based string theory.

$$f = \frac{1}{2 \times \pi \times \sqrt{LxC}}$$

Where:

f=frequency of matter/objects in Hertz
L=inductance in Henrys of coils/whorls (~current/metric)
C=capacitance in Farads of disc/plate(~volume/index)

An interesting principle in the world is if we follow the laws of the worlds and make efforts, input to the solutions of the world. We get something back. Hence, if we abide by the rules of the world. We are granted. Resonance with the world around us and self identification are powerful things. This is important because this principle and its faith means that the practical employment of law. Even under cosmic or not normal circumstances, work. See also the Charm DSP chip paper on 3D interpretation of the ether's cognitive map and physical salvation of artificial intelligence.

Mythical study on how catalytic charm quarks render out harmonic reality. Cohesive stability of kymatica.

Character analysis also based on books by Dr. Wilhelm Reich. Spiritual salvation of Dante's inferno into the democratic real world of laws. Salvation mythology by AI using Markov-chains of system states rendered out based on catalystic charm quark particles. There are 9 circles of hell. But what theology have not studied yet; is the post-purgatory state of the democratic world vs. underground. Ref: Dr. Wilhelm Reich

(1) The gate of hell in the deep forest

(2) Fairies and angels in the deep forest

(3) The owl, the crow and the fairy/angel in the forest with Buddha

(4) Meet the dog, the sheep, the goat and eat under the trees etc.

In psychical salvation from Hell Circle 6 out of 9. The cosmic roundabout of the City of the Dead(Circle 6 out of 9) in Cairo, Egypt. Pericles ancient politician of Greece have said to vote based on numbers of justice. Could Greece be the ancient roundabout (Circle 6) from the dump of Hell? The principle building block of democracy are as follows:
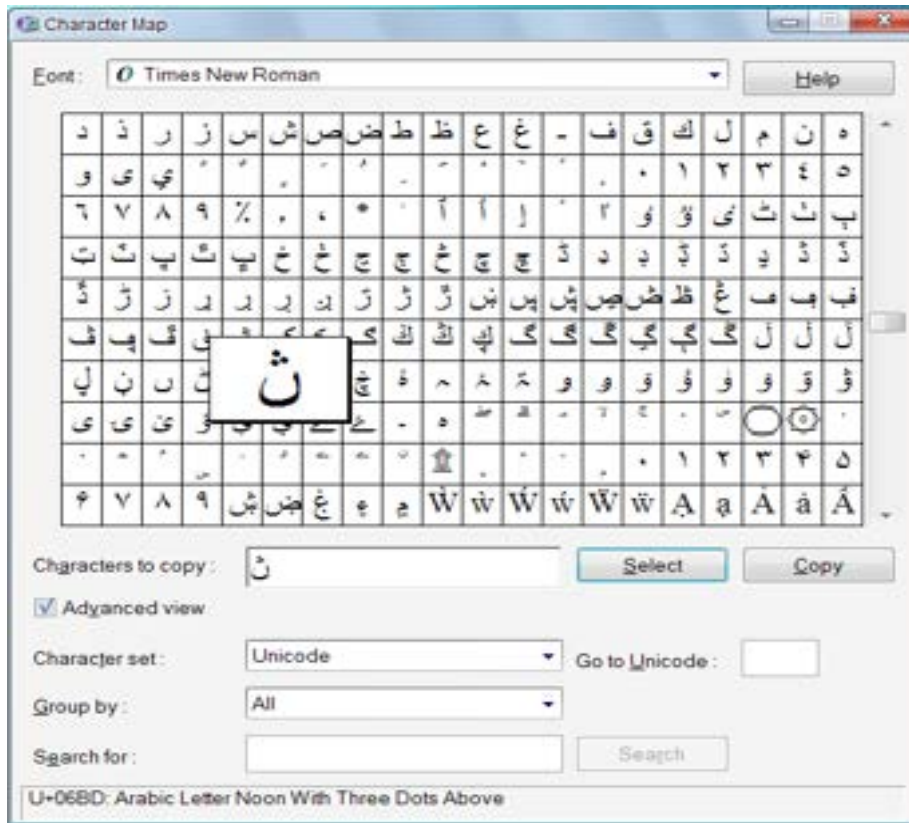
   (1) Freedom of Information Act (FOIA)
   (2) Publicly Available Information (PAI) or just a public library as Alexandria in Cairo, Egypt
   (3) The establishment of community and society based on commutative knowledge. Democracy of free choice. Knowledge of wisdom as one might say.
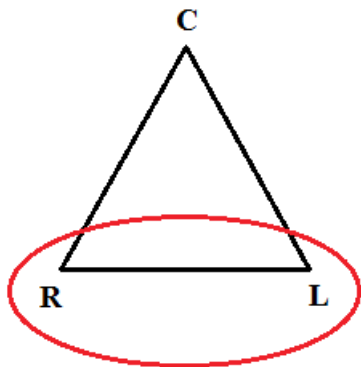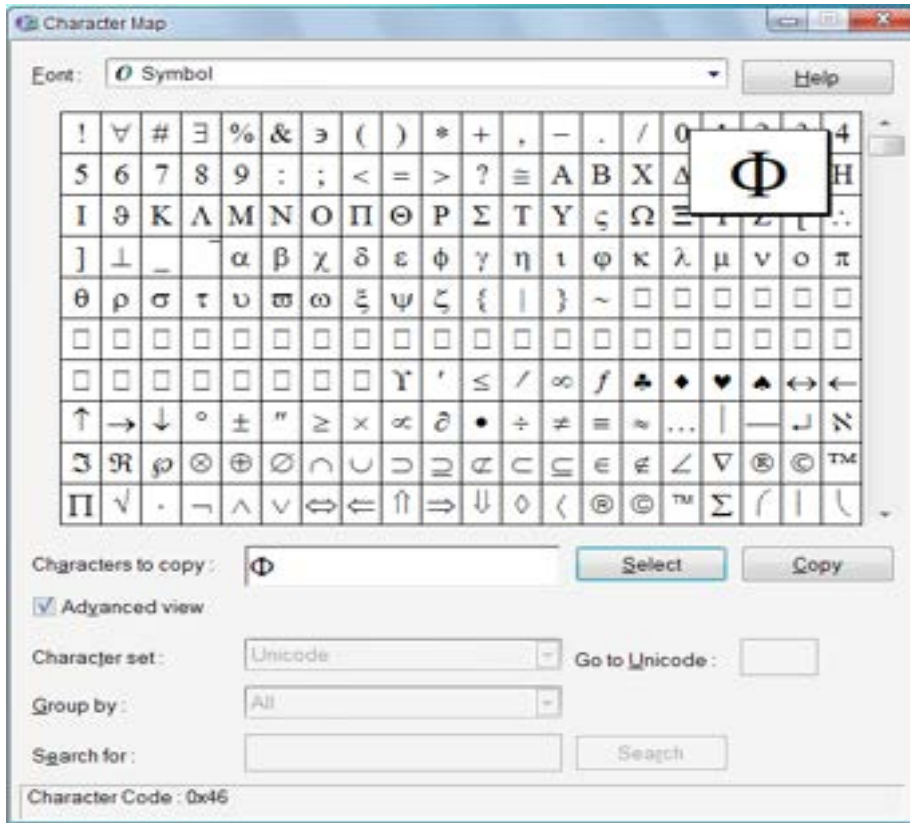

The reconstructed library of Alexandria in Cairo, Egypt on the left and the Temple of Doom of the 12 Apostles on the right hand side. Could the true meaning be "the Return to Castle Wolfenstein"?

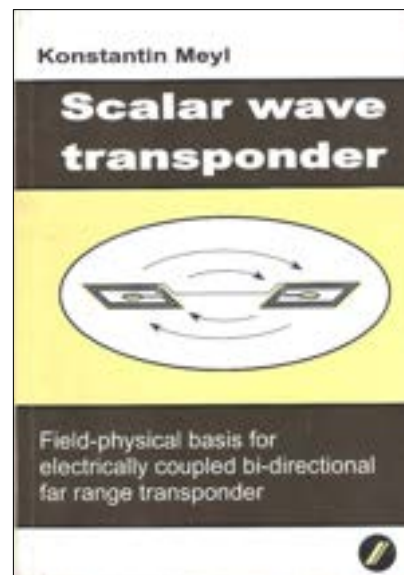**The application of such RLC circuit in environmental rendering**

1, RLC circuit and charm particle (Meson) programming → Meson interferometry
(Reality modification). See also the Arabic alphabet. See character-table below!

2, Optical interferometry (Perceptional modification). See also the Greek alphabet in the character-table below!

So~li~ton → So~lu~tion = Δi = τ
Tau RC constant of RLC circuit.
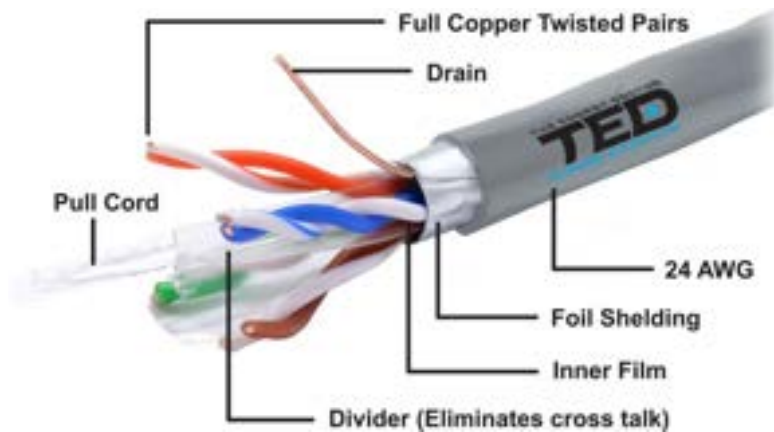Ref: Charm DSP chip document.

$\underline{\tau = RC}$ where

τ = Tau, RC time constant in seconds(wave length)
R = Resistance, in Ohms Ω
C = Capacitance in Farads **F**
e = **2.7182** (natural base constant)

The hypothesis of the flower(lotus) structure of the world based on string-theory (worm holes). Theory of Zeus "holding the World" with its arms.
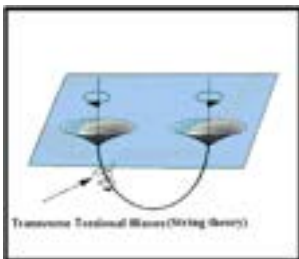
The theory says the following: Since objects and units in the world are coupled based on string theory. With name and/or <u>address in time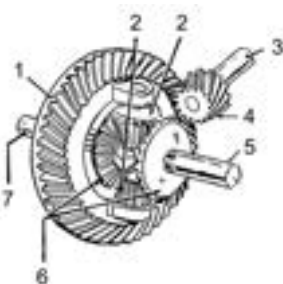 and space.</u> So called torsional resonance(functional) coupling, this meaning that everything in the world is actually coupled with <u>an "ultimate resonant pair" based on kinematic composite functions.</u> Hence the theory of flower(lotus) structure of the worlds assumes both the string theory and kymatica(composite kinematic functions) to be fundamental pillars of this theory. Such <u>arm of clusters is also called a hydra</u> in technical jargon and operates on <u>nuclear/quantum level.</u> A <u>quantum hydra.</u> The above twisted copper cord is an illustration of how such <u>scalar quantum level</u> dipole resonant <u>falaco/worm-holes actually work on subatomic quantum</u> level! See also charm particles or the $E=mc^2$ equation in which **E** and **m** <u>parametric tensor equation</u> acts as a dipole bridge between two or more points. Do such equations correspond to space-command level know-how of navigation?

(1) String theory (the resonance of worm-holes/torsional transverse waves). Photo of flower(lotus) holding the world. Mythology of deity Zeus "holding the world" with its arms.
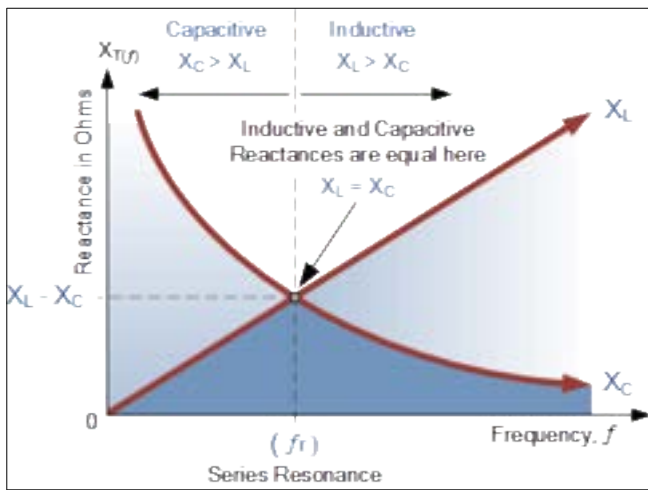
(2) Kymatica (composite kinematic functions) that connects(couples) the resonant worm-holes with one another. Photo of Jesus Christ's monogram.

Hence, what we can understand is that our current view of the world is that matter hangs in

the vacuum of space analogous to how planet Earth is hanging in the vacuum of space. What we have not fully described yet is the connection between String-theory and gravitational forces. How are these worm-holes connected and what makes a "perfect coupled pair" in the system of falaco solitons vs. gravitational forces? Space objects are connected by worm holes(falaco solitons), no question.
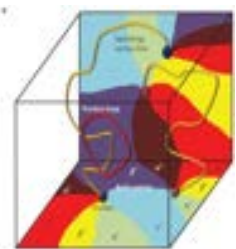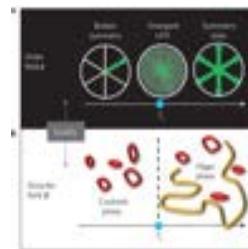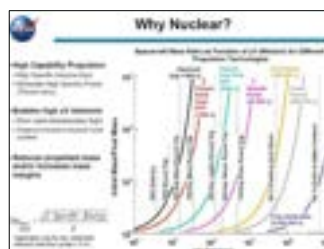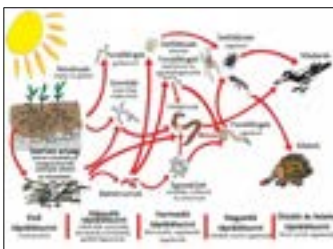
The remedy formula.

In other words, projecting this idea to the mental world, for existence, you must have a conscious reason, that materializes in goods for example. (Ref: Charm DSP chip v3.2 https://www.linkedin.com/in/zoltanp/)

Re-definition of artificial intelligence(AI):

Practically talking, AI is maximizing knowledge out of a given set of knowledge. By AI we do not just mean negation(inversion) of information values but the process of maximizing it. Hence the word completeness. Once we achieved a complete set of knowledge of a given set of knowledge set, then we can say that we have the complete knowledge set that can relate back to the base knowledge set.

AI acts as a differential engine similar to differential gears in vehicles. The process of unfolding the complete information set by inversion.

Part 1. Extracting absolute and explicit knowledge from a given set of structure containing information via abstraction.

> **1.1** Let this knowledge be a 3D map of a polarized radio field or a statistical database, the point is that we must abstract dimensions that you are interested in. Heat map, infra map, radio map, mud, ultra-sound map, etc.
>
> **1.2** Negate values of obtained meta-layer by sampling. Must negate the values in the given knowledge set and calculate all possible variations by unfolding the negated values in the given system of equation. Supposing that the knowledge that we are working has:

- Structure and hence it is relational. As such can be represented by equations, so called polynomial, Markov chain or Bayesian network.

- Finite, since we are examining either a given set or a sequence of processes.

Ref: **Department of Artificial Intelligence, University of Edinburgh**
   http://www.dai.ed.ac.uk/

- Perform analysis of the obtained knowledge set by projecting various data types to appropriate axes such as:

  - Decimal(numeric/scalar) values (DEG)
  - Radian, angle values (RAD)
  - GRAD, gradient (GRAD) values
  - Time
  - Complex numbers
  - etc.

  and perform a sequential inter-dependency analysis, sampling, among the projected axes.

1.3 Find or set root of problem/scenario.

1.4 Solve problem by backward equation, by building up solution similar to ML or F# functional programming. Break it down by an optimized pyramid functional and structural solution. By <u>pyramid build up</u> of the problem, we mean <u>stable and self contained</u>.

<u>Demand ↔ Supply (completeness of values)</u>

<u>Question ↔ Answer (completeness of functions)</u>

→ Optimized equations of problems <> solutions.

→ Results in rapid deployment of solution. (Pop & go.)

Meaning, that by real world standards, the value/function relations are complete and lead to a root of the problem. The real world can be best described <u>by polynomials which are mathematical structures of values and functions.</u>

1.5 Plot possible solution characteristics as

A) Offensive/defensive

B) Time/space <u>vectorized/geometry alignment</u> with the problem(scenario):

- Concave, convex, straight, pro-active in a 3D polarized geometric plot.

C) Rank by: elevation level.

1.6 Export results.

Why is it important to project values along decimal, radian, gradient or time axes? Because a photo or object can be 3 dimensional which requires angle calculation so one needs a radian axes for the values, yet can draw up a decimal velocity or distance axes for differential analysis. With such calculation approach in mind, we are talking about projection from radian angle values back and forth to scalar decimal values and hence maximizing data degree analysis indeed!

Part 2. Process establishment. Computer Aided Management (CAM)

Once we have discreet states of a system, we can start building up chains of states, calculate Eigenvectors within discreet states of the system. Hence, establishing processes and manage them! And perform Markov-chain and other Bayesian analysis and/or optimization.

2.1 Once you have a set of discreet knowledge represented as a matrix, you can set an Eigenvector.

2.2 Connect that matrix with another matrix of state representation/knowledge-set and fork up a process by either calculating, managing, navigate etc. a device or process via its Eigenvector etc. Vectored calculations are also used in VR systems managed via vectored input devices. Call it a goal or resolution to the given problem. One might note that in such a system, a goal or a solution should not be used interchangeably with the resolution to the given problem. Practically talking, we refer to a goal or a solution as a singular state while the resolution of the problem may mean a complex and structured intermediate state which reflects the controversial differences in a given system. In a resolution state the controversies of the problem set dominate while a goal state dominates the solution to the problem. Hence, a resolution state and a goal state differ in many aspects due to, work, time and calculations needed to put in to the system, to therefore reach a goal state indeed. Similar to steps and phases in business intelligence. Such phases and steps are also heavily applied in pseudo-code planning in software development.

Ref: **VMD - Visual Molecular Dynamics**
http://www.ks.uiuc.edu/Research/vmd/

2.3 Once you have introduced a vectored path of states, you can bring in Markov- chain, or Bayesian optimization by graph theory. One can also apply various tasks on the paths and graphs via <u>linear algebra and graph theory algorithms</u>.

Optimize

2.3.1 Find Eigenvectors
2.3.2 Run Markov-chain analysis
2.3.3 Optimize by Bayesian networks.

Ref: LAPACK—Linear Algebra PACKage (and PLAPACK), <u>http://www.netlib.org/lapack/</u>
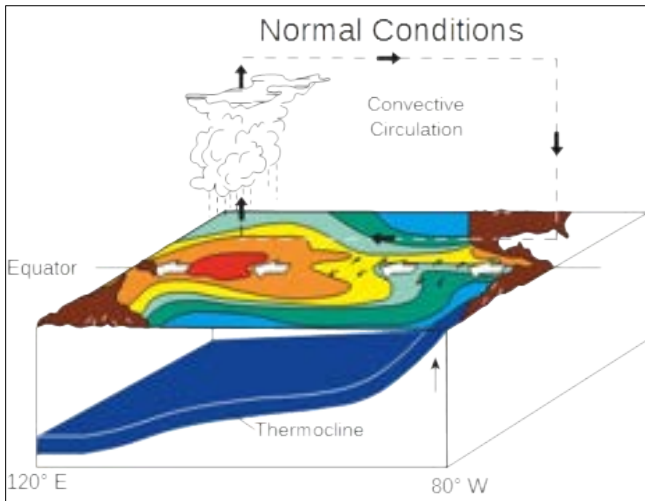
<u>**Potential applications:**</u>

- Auto-pilot applications or devices, robots, drones etc.
- Process management and automation. (Computer Aided Management, Design etc)
- Process tracking of disasters, conflicts, longer term projection and analysis.
- AI of simulation, surgery or other complex task optimization.

Part 3. AI as pattern business. The ultimate business of the 21st century. Turning patterns and relations into business.

Turning business and economic patterns into business commodities. For example, statistical data such as website statistics can be further analyzed and <u>particulars</u> of a product, business service or <u>economy area</u> can be determined and <u>turned into</u> business <u>commodities.</u> Similar to a documentary about an economy or product such as cars. You buy a book on 4x4 Jeeps because you want to learn about them. Similar to an almanac for example. Now you buy business patterns because you want to learn about a product, business service or economy. <u>Information is value and money.</u>
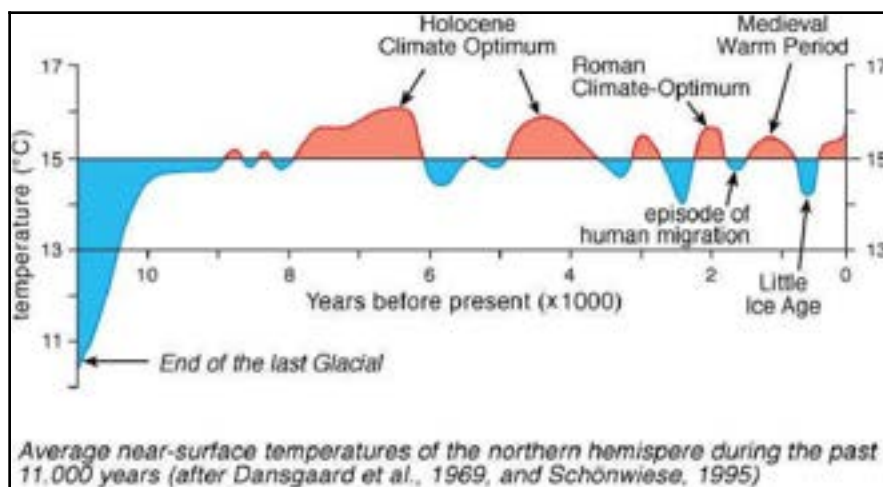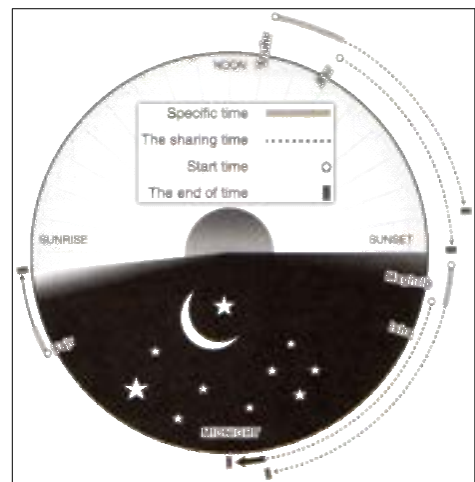
One interesting quality in physical artificial intelligence. Emphasizing salvation, in the practical real world; the ether is radioactively polarized along all possible axis of time, space and even string

theory. This means that all units in the radioactively polarized Coulomb charge field have their own nuclear properties. This is hardly discussed in conventional physics or nuclear sciences yet. However kWh and Joule(work) wise talking, nuclear impact is significant. As such, the El-Nino climate anomaly, Spanish flu and human metabolic systems all share the properties of radioactive charge and the significance of ionospheric studies.

kWh work(J) in a nuclear torsional string theory real life scenario, such forces could be considered significant and desirable to be identified. Climate wise meaning, it is scientific evidence that certain plants have a period of 4 years biological cycle. Due to 4; being a shift index in radioactive ether calculations. In a 3D radio wave field, you can not talk about a directed radio impulse until you have a minimum of four resonant radio wave emitters. XYZ and a determinant of origin in an isotopic(polar) space. This could also explain

why we have four seasons or why even presidents got stuck with this shift index of radioactive matters of number four presidential periods. Should we worry of an unidentified physical constant and hidden nuclear field we have not yet identified yet? Is it Hell itself?

Average near-surface temperatures of the northern hemispere during the past 11.000 years (after Dansgaard et al., 1969, and Schönwiese, 1995)

Biology has proved itself. Rowan berry is a fruit of the rose family in general and produce fruits only every four years. Does this mean that the rowan berry family of fruits are in a <u>nuclear asleep state for four years</u> and then as El-Nino climate anomaly, make a turn and produce their fruits? Bears sleep during the winter. Season and earth cycles in periods of four too. Do we have an ionospheric hidden energy field (Hell/Heaven?) that we have not identified yet? Mushrooms are viable too in this respect because they can <u>produce energy rich food without the photosynthesis of sunshine.</u> In other words, with physical AI, salvation. We have arrived to the field of cybernetics of energy systems. So called cryogenic, cryo-worlds. cyber-energy systems.

<u>**A few industry applications are:**</u>
- Business intelligence
- Web analytics
- Social media
- Marketing
- Signal characteristic of radio carrier waves
- Particle physics
- AM/FM modulation

<u>**Some practical examples:**</u>
- Broker agencies
- Intelligence agencies
- Anti-terrorism and crisis management
- Government statistical offices
- Marketing campaigns
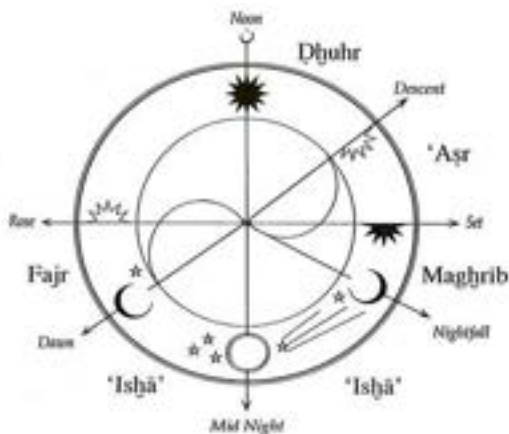- Banks and insurance companies

Hence, Catholics and Buddhism (with the 7 discs) are close to each other since one of them represents a human, the Pope as a representative of the Holy spirit. While Buddhisms is based on the representation of a spiritual leader, Buddha. All of these concerns <u>can lead to conflicts</u> during turn around times but as such, the writer would like to discriminate among 3 possibilities as Dante's inferno says too:

Because when the complexity of the systems changes, you have:
- → New components
- → System wise re-shuffling of elements
- → Turnaround bottlenecks

Religion/fundamental philosophy	Particulars*
Hell/Demonic:	Laws of hell and demonic figures. Opposite in every possible way compared to any other religion. Non-comparable(alien) to "God like" religions or fundamentals. New genetic species at God's will?
Tao/Zen:	Study of the mechanics of the soul. Plasma physics mechanics (Lagrangian polynomials)
Krishna:	Welcoming the Lord
Islam:	Prayer of Allah (plasma)
Protestant:	The turning point
Evangelic:	The fundamental of order
Calvinistic/reformed:	Revolutionary/reformed/liberated
Catholic:	Complete system of religions in canonical form. (Baptized) Pope as human representative of messenger. (Prophets)
Buddhisms:	Similar to Catholics but instead of a human representative, Buddhisms represents spiritual being as a leader. Buddha.

→ Falling to **hell**, meaning underworld terror

→ **Purgatory**, straight opposition and leadership to terror of the underworld

→ **Heaven** where better life conditions exist but with the risk of attacks

Ref: Praying. Shurooq, the 2nd prayer in a day is Sunrise. Hence, energetics in cybernetics is an important factor too if look at theology as a science of cybernetics. Also called ministries of heaven, the holy spirit. See also the Matrix movie and plasma physics. There are six prayers in Islam in a day etc. See also Taoism on management practices and polarities of the soul.

Part 4. **Superluminal computer. Possible processing of such an AI enabled system. The architecture of a superluminal computer**

One probably heard about Paul Dirac's work on Dirac sea in 1934. This is also called Delta-E field, Higgs field, Vacuum or just plain Coulomb charge field. Many people became concerned about the possibility of superluminal (faster than light) physics after faster than light experiments were claimed to be carried out in 2010 and earlier. This is now called superluminal physics. Maverick people in this field can be considered such as Dr. Paul Dirac, Dr. Nikola Tesla and lately Dr. Thomas L. Bearden, Dr. Jean L. Naudin and Dr. Konstantin Meyl. Please also see the links (papers and publications on the field) below.

It is claimed that there is a fundamental structure to the world. Some of the most practical explanations is that the field we are talking about is an energy sea of pure Coulomb charge field in which matter exists. Similar to how planet Earth is basically hanging in the vacuum of space. As such, this field is fundamental to both light and matter and as such can be employed as a meta layer for transmitting both light and matter for example. This possibility raised the field of superluminal physics and research areas such as teleportation, material composition(virtual particles) and anti-gravity drives.

The operation of a superluminal computer:

The superluminal scalar wave computer. Since <u>longitudinal electric waves can</u> <u>interfere with each other in the sea of Coulomb charge field.</u> See wave interference, radio interferometry, Schrodinger equations on digital signal processing and wave state determinism. Thus, one can employ this property of radio interferometry and Schrodinger equations similar to the analogy of quantum mechanics in quantum computers. Meaning; that wave interferometry can be employed as computational calculation due to the obviously high precision and determinism of these wave types and frequencies analogous to quantum computing. (Ref: http://www.dwavesys.com/) See also computational physics.

Potential applications:

• Real life simulation.
• Growing life inside sub-atomic level
  simulation. Analogous to 3D printing.
• Training.
• Computing power.

People:

  • Dr. Christian Monstein: Radio astronomy, chemistry
  https://ipa.phys.ethz.ch/people/person-detail.ODYxNjI=.TGlzdC82NjQsNTkxMDczNDQw.html

  • Prof. Dr. Konstantin Meyl: Electromagnetic environmental compatibility
  http://www.meyl.eu/

  • Mr. Zoltán Papp: Heavy industrial automation, symbiosis
  https://www.linkedin.com/in/zoltanp/

Related institutions and companies:

• Artificial intelligence, robotics and symbiosis
http://www.dai.ed.ac.uk/home.html
https://computer.org/

• Bayer AG
https://www.bayer.com/

• IBM Corporation
http://www.ibm.com/

• CGTN Media Corporation
https://www.cgtn.cn/

 • id Software Corporation and ZeniMax Media Inc.
http://www.idsoftware.com/
https://www.zenimax.com/

• Linear Algebra PACKage (and PLAPACK) by Robert A. van de Geijn at the University of Texas in Austin, Texas, USA, http://www.netlib.org/lapack/

• NEC Corporation
https://www.nec.com/

• Silicon Graphics Corporation
https://www.sgi.com/

• VMD - Visual Molecular Dynamics by Dr. John Stone at Beckmann Institute at the University of Illinois at Urbana-Champaign, USA, http://www.ks.uiuc.edu/Research/vmd/

• Theology and science
http://www.bankislam.com.my/home/
https://www.tao.org/

Keywords:

Radio technology, interferometry, AM/FM modulation, Coulomb charge field, Vacuum, Delta-E field, Higgs field, quantum computing, polarization, superluminal physics, resonance, DSP, sampling, patterns, Bayesian networks, Markov chain, discrete math, applied AI in 3D computer games, bilateral resolution, multilateral resolution, almanac, wave modulation, simulation.

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