



Simulation of Vedic Om: Monte Carlo Method in Operations Research

Author

Dr. Rojukurthi Sudhakar Rao

Returning Scholar to self-directed Research in Graph Theory & Applied, India

Email: 1955sudhakar@gmail.com

ABSTRACT

A sound is vibrating in the whole of Creation! It is diverting our mind from study of Matter, its limitations and advantages like pharmaceutical properties, for example, forcing us to believe that only by-products are We, consuming the Matter, out of involved Energy with speeding Light, but not knowing that that purposeless sound is all that made us what we are at the moment from scientific viewpoint setting aside lower states and shades of opinions. KUM-KUM (Knowledge Universe Machine) raised to the power of two and even more, is the leading light to break through the zone of silence spread around the purposeless sound to find out its unactivity, activity and inactivity features & operations claiming it to be a key science again unlike the currently disqualified Theory of Everything of the just gone 20th Century.

Key Words: *Vibrating, Consuming, Disqualified, Everything, 20th Century, Speeding Light*

Introduction

Experimental Operations Research allows one to experiment without making any real mistakes. When a system contains elements that exhibit chance in their behavior or that have a number of different states of nature occurring, Simulation is accompanied by allowing the states of nature to appear recurrently in tandem with the desired and assigned pre-conditions. Simulation does not generate optimal solutions since it constitutes trial and error approach that may produce quite different solutions in repeated runs. On occasions, the runs are long and intricately experiment-prohibitive against unwarranted bill of costs and overheads resulting into conditions and constraints for optimal solutions although simulation inferences, solutions, efficacies and answers produced are unique at various stages till such time an ideal and good simulation model emerges.

Computer Simulation Recreated Universe

It is a reality that a computer simulation recreated the Universe from the Big Bang moment till today. A remarkable Science & Technology Input Research (STIR). We can directly see how our universe has evolved over time in the past near-14 billion years of evolution after the natural Big Bang. Computer simulations are used in combination with various kinds of other manual and equipment oriented lab studies to test some of our wildest and fantastic imaginations about what our Universe is made up of and how it began and evolved over the cosmic timeliness essence on both large and small scales simultaneously throwing all our knowledge with weight of intentional Research behind grand super technology computers. The achievement is an astounding one of three months time barely of computer-modeling taken resulting in creation of a cube 350 million light-years across and over 13 billion years of simulated time at an unprecedented resolution for our evolving

Universe providing an insight as to the building blocks of stars, planets, the ways matter is formed by natural processes, an organic chemistry of life and chemical composition of the Universe *per se*. In summation, this is building the Universe inside a super computer or put more succinctly, powerful computer-program named Illustris simulated the evolution of our nature-made Universe to give us Recreated Universe!

Highest Order Simulation of 21st Century So Far

For the first time, a simulation of Higgs boson (Joker-god-particle popularly) production accurate at next-to-next-to-leading order matched to a parton shower resummation of approximate all-orders corrections, yielding a life-like description at the particle-level. The discovery of the Higgs boson at the Large Hadron Collider (LHC) and study of its properties by Researchers are to resolve the nature of the new particle with the precision afforded by theoretical predictions in describing its production, decay rates and associated experimental acceptance. As such, this simulation marked a new level of theoretical precision in the simulation of LHC processes and came to be regarded as the highest order simulation of the current 21st century so far in the Nash Equilibrium's World Of Modern Sciences (NEWOMS) for the Higgs particle constituted one of the most fundamental components of the fabric of our Universe working in compliance with the Universe by organizing its (universal) basis, i.e., how all visible matter are molecularly formed and governs the structure of our behavior ; structure may have a certain pattern or even code and so a better understanding of the Universe. The LHC has been built to simulate and recreate the conditions in the Universe when it was only seconds old since the Higgs-boson particle is thought to give all other particles in the Universe their mass. Might be one of the results of LHC experiments will be new energy sources and advancement of our Planet, Earth we are from. The LHC's potential will explain the origin of all

four fundamental forces—gravity, electromagnetism, and the strong and weak nuclear forces.

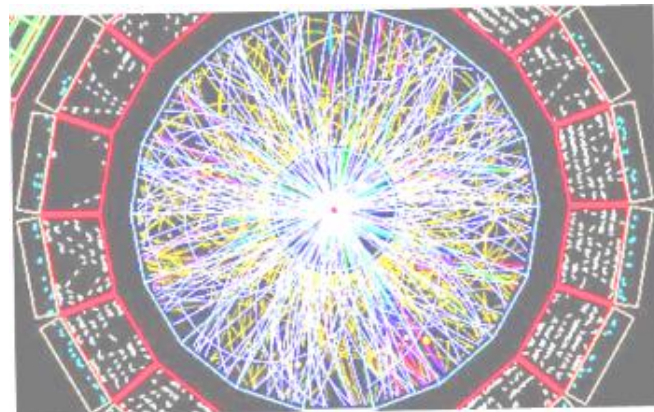


Fig. Particle collision in LHC's simulated computer display

Method of Simulation

The uncertainty of real situations can be represented in a model by using the probability distributions. Simulation can use any probability distribution that the user defines; it does not require standard distributions. It is relatively flexible and straight forward. It can be used to analyse large and extremely complex real-world situations that cannot be solved by conventional models. For example, the world of food systems and scientific wonders of endeavors such as the simulated Big-Bang theory for the conclusive Higgs-boson experiment to prove that it is the mass-giving particle to everything else in the Universe based on computer simulations of signals and processes during the final states of high-energy down to the level of individual stable particles.

Sometimes, simulation is the only model handy and available as a reasonable means. For example, if it is not feasible to observe the actual environment on a distant planet, a simulation may be needed because Simulations allow what-if types of questions.

The user is usually involved in the simulation process and with an on-line terminal of a Computer, within a matter of few minutes, computer simulation in short time is established with desired time-compression effects.

Vedic Chant of Om on Monte Carlo Computerized Simulation

The Monte Carlo simulation (named after the city in Monaco) is founded on the precept where the primary activity is attractions that have chance of successes on exhibition of random behavior. Usually, computers are deployed to run the show because the Monte Carlo simulation can be run tens of crores of twists and turns changing times in order to cover all possible outcomes.

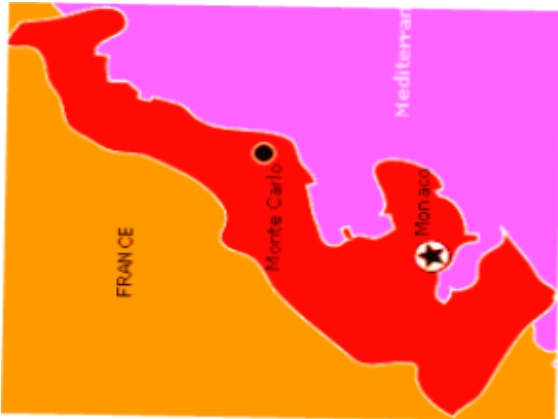


Fig. Monte Carlo on world map near France .

A computer-intensive technique to perform under repeated instances or samplings or a computer-simulation technique to conduct in-depth physical problems surveying is technically branded as the Monte Carlo Method of Simulation. The computer uses random number simulation techniques to mimic a statistical population or a pre-recorded voices of endless stream of confabulations of the vedic chanting of A. U & M via the vedic Om chantings by voices in the world of experimentation. The computer constructs the population according to the user's prescription, then does the following:

For each Monte Carlo replication, the computer:

1. Simulates a random sample from the population,
2. Analyzes the sample,
3. Stores the results.

After many replications, the stored results will mimic the sampling distribution of the statistic. Monte Carlo technique can provide information

about sampling distributions when exact theory for the sampling distribution is not available. So, it is a heuristic technique to resort to upon confronting intractable phenomena like the Vedic current generation owing to the As, Us & Ms in the Vedic chanting of Om via calibrated voices or in-chorus-Om-chanting resulting into sound-points of centres of convergence of voice-muscle-intensities from within the random samples of populations.

Vedic Om's Monte Carlo Event Generator Infrastructure

Monte Carlo event generators are an infrastructure to be built up in consultation with the Computer hardware and software engineers besides sound engineers for conversion of data into sound or sonification and vice versa. These are essential components of almost all experimental analyses for wide use by theorists and experiments to make predictions and preparations for future experiments with sufficient consideration of their component models and reliability to support and explain the physical bases behind the models underlying event generation.

According to Wikipedia, a how-to is an informal, often short, description of how to accomplish a specific task. A how-to is usually meant to help non-experts, may leave out details that are only important to experts and may also be greatly simplified from an overall discussion of the topic. In several aspects this is valid for this research project of Vedic Om's simulation as well as for the one just published, September, 2015's - IJETST's - {Nash Equilibrium's World of Modern Sciences superspy Domestic Religions: <http://dx.doi.org/10.18535/ijetst/v2i9.10> & <http://ijetst.in/article/v2-i9/10%20ijetst.pdf>} providing an insight to the experts of Computer & Electronics engineering & technology, professionals of the sound engineering and physicists to use Monte Carlo event generators infrastructure to serve the purpose and application of Vedic Chants vide Monte Carlo Computerized Simulation to calculate to generate events to

simulate and investigate a future possible analysis in terms of energy, frequency and vibration. The totality of sound, existence and consciousness in their convergence as a precise graphic form make up to the primal sound – Om which fashions the human mind –Universe bondage. Om, the most universal of the sound of creation causes energy to gather and flow upward and outward. Everything in the Universe is pulsating and vibrating in their very nature acknowledging connection to the Universe.

Sound of the Vedic Om composed of the three sound-particles--A , U & M, (AUM) , which has led to the Universe and its expanding Matter is a strong link of difference of opinion between the Greeks' Western World and the non-Greeks' Eastern World based on the interpretable macro-cosmic energy of the Universe-expansion-maintenance with the space-time–matter-energy-thriller and the micro-cosmic energy of the human –body-spirit-mind sprouting besides non-human specific creatures brought to live energy with a variety of standard and non-standard life-quotient. In the steady and same tone, Sacred Geometry, was known to and followed by the ancient peoples on the Planet Earth. The most basic of sacred geometry is the seed of life seen again and again in the Nature. When one cuts a Sapota or an Apple fruit in half, one sees the seed of life. The geometric patterns that cause matter to form in the manner they do prove that conscious energy is that which permeates all. Everything is on a frequency. One- single- great-atom called Super Atom or Primeval Atom or Cosmic Egg embracing all Energy started the Universe and its expansion has been the scientifically stable proof in theory and practice settled as the Big -Bang model or expanding Universe. This is the satisfactory explanation of Creation in Science till date even though not accorded the status of doubtless Science for new versions galore. To understand here the implied meaning of this doubtlessness and changing versions , it is better to have to cast a doubt on the past , present and future potentials of the mind-

factor in human minds in requirement of demand & supply with research-sophistication as the centers of the 3 Letter –Convergence of K & U & M, i.e., Knowledge-Universe-Machine, respectively, say, KUM raised to the power of one, KUM-KUM squared or raised to the power of two, KUM-KUM-KUM- cube or raised to the power of three, etc., See the prominent mind-opener disclosures in authenticated 4 picture-samples reproduced just below.

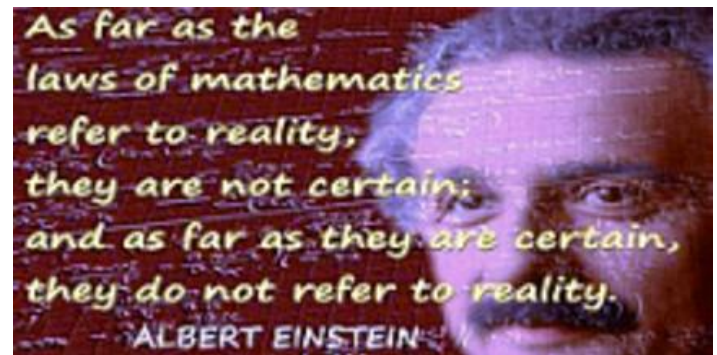


Fig. picture-sample-one on KUM raised to power of one

Sir Issac Newton had run into some problem with his own theory of gravity some centuries and years much earlier for having seen a falling down Apple from branch of an Apple Tree in England there by believing in an eternal Universe and that gravity would have to cause its collapse after a finite time. His solace and solution were to propose that God was responsible for keeping apart all the celestial objects, adjusting their positions from time to time as part of his cosmic curatorial responsibilities. Albert Einstein was reluctant to invoke God but his solace and solution were to fiddle with his theory of general relativity by adding an antigravity force alongside familiar gravity calling it the repulsive force to counteract gravity over cosmic distances, thereby maintaining the overall stability of the Universe which is born static without expansion or contraction in itself. There was no evidence for this antigravity force while Einstein simply assumed that it had to exist in order to provide a

platform for eternity without which the Universe was meant for collapsing by itself and of itself.

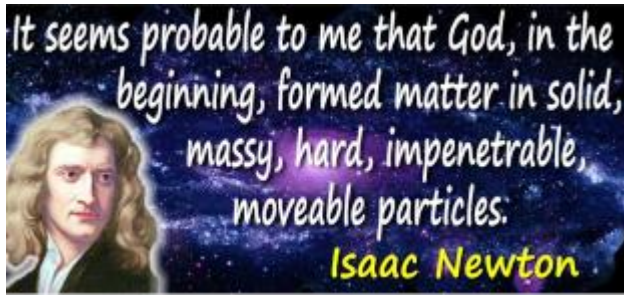


Fig. picture -sample- two on KUM raised to power of two: 17th Century -- God's influence on Newton's Universe.

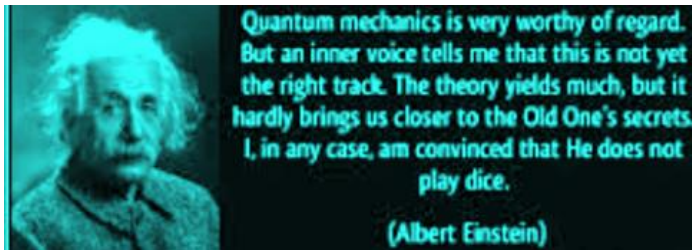


Fig. picture-sample-three on KUM raised to power of three : 20th Century –God's Secrets & Games as inner –voice-influence on Einstein's Universe

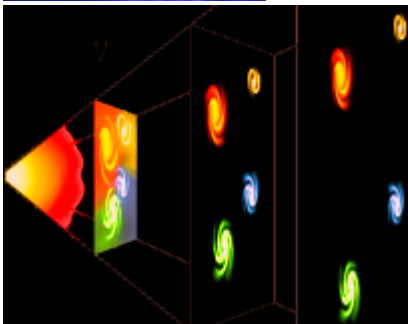


Fig. picture-sample-four on KUM raised to power of four: Georges Lemaitre 's Universe of 20th Century passing with hidden God influence on Lemaitre's expanding Universe from dense

vertex explosion affectionately called big bang without denying *God of hiddenness*.

Vedic Om = Big-Bang = Algebra of Classes = Transdisciplinarity

Transdisciplinarity in research crosses many boundaries to create a holistic approach focused on links and issues with problems identified in divergent-looking disciplines for the general social well-being of civilizations on the Planet Earth, the home of mankind for the last 14 billions of years of estimated time-age. From the home, the idle brain and the neutral mind parted ways looking up to the positive and negative energy in the institution of human body produced unwarranted and radiated into the range and radius of similar natural brains and minds surroundings. The result is today's works, influences, experiences, ongoing relationships, Information Science, Education, Knowledge, Innovation, Complexities, Attractions, Celebrations, Expansions, Weaknesses in Operations, Operational Research, Graphs of Theory and Applied intuitions. All of these can be summed-up more conveniently as the energy-fields illustrated below for the purpose of this Research Paper.

- A. Field of sets, a mathematical structure of sets in an abstract space.
- B. Electric field in physics to describe the energy that surrounds electrically charged particles.
- C. Magnetic field, force produced by moving electric charges.
- D. Electromagnetic field, combination of an electric field and magnetic field.
- E. Field winding or field magnet, the stator of an electric motor.
- F. Field of heliostats, an assembly of heliostats acting together.
- G. Scalar field assignment of a scalar to each point in a mathematical space.
- H. Tensor field assignment of a tensor to each point in a mathematical space.

- I. Vector field assignment of a vector to each point in a mathematical space.
- J. Field (mathematics), type of algebraic structure.
- K. Field (physics), mathematical construct for analysis of remote effects.
- L. Field: computer science: smaller piece of data from a larger collection (e.g., database field)
- M. Field programmability: electronic device's capability of being reprogrammed with new logic.



Fig. Basarab Nicolescu, Father of Transdisciplinarity.

According to Nicolescu, transdisciplinarity is radically distinct from multidisciplinary and interdisciplinary goal. The understanding of the present world, which cannot be accomplished in the framework of disciplinary research only.

The goal of multidisciplinary and interdisciplinary remains with the framework of disciplinary research. If transdisciplinarity is often confused with interdisciplinarity and multidisciplinary and by this, we note that interdisciplinarity is often confused with multidisciplinary, this is explained in large part by the fact that they overflow disciplinary boundaries hiding the immense potential of transdisciplinarity. Reality, complexity and middle-mettle-somenesses of logic are attributed to transdisciplinarity which will distill the absolute truth from several layers of information-Reality-illusion reducing the fragmentation of one level Reality from the other ones. The development of transdisciplinarity thoughts through the technology, science, and

consciousness of Vedic Om, Big-Bang and more than one Universe help solve the understanding of the present world in its functions and scope with the unity of Knowledge –Information –Systems given birth to by the KUM-KUM (Knowledge-Universe-Machine raised to the power of two). Let us see the equality relationship potentials as follows.

$$\text{Atom} = \text{At} + \text{Om}$$

$$\text{Atman} = \text{At} + \text{Man}$$

$$\text{Om} = \text{A} + \text{U} + \text{M} = \text{AUM}$$

The very process of thinking involves vibrations. A thought has sound-like properties. Thought operates by *sound* spoken, listened and burst. The mechanisms of thought are the same as those of above relationships which further increase the potential to

$$\text{Atman} = \text{Om} = \text{Atom}$$

Which means aggregation of traditions to measure the Infinite Universe from the vintage timelessness point to the space-time-Vantage-point.

AUM is the sound of the Big-Bang which vibrates the Universe ensuring contact of Air with Water to producing natural Oxygen and Fire of Hydrogen with Helium. Quantum Physics offered us vibrating energy that led to matter. But, matter in the Nature accessible to mankind and matter in the Universe inaccessible to mankind except with the help of KUM are due to the surrounding silence that follows the Vedic OM invariably causing the expansion of the Universe.

Conclusion

It is unheard of by many that Unactivity is the principle of God because God-Boss! Inactivity and Activity are the principles of Ascent of Mankind to attain Unactivity because Mankind has got organs of Action, Sound and Lighting heated to working in unison with organs of Perception. But there is the Gene-Ration & DNA-Repairing such that the Mankind's Descent is not always guaranteed on this Planet Home which again is the Unactivity of God due to the remote control called Vedic OM that commands all the

objects in space independent of Unactivity of God including the Planet Home. Having been in the know of things on the Earth , Mankind has not stopped questioning with doubts to themselves as to the beginnings of the Earth and what is happening elsewhere in the Universe and why ? To arrive at a healthy conclusion, reading each Planet in its true scope and colors with science-provoked findings with technology-built super telescopes has become a daily routine. For example , the Jupiter is so large, more than 1,000 Earths put together, would fit inside it . 540 km /hour is the speed of the winds blowing there. Every time Jupiter is watched, there are tantalising hints that something really exciting is at work on the Jupiter. This does not explain introduction and origin of the Universe from basic elements but deepens the understanding of vedic OM's identity with the experiments in Modern Science and its techniques like the simulation basically sitting on the Earth-saddle in the midst of eleven Planets and surrounded by other portions of the Universe .Therefore, mankind's resources like the OM with AUM and the Mind as KUM raised to powers in order of KUM-KUM and more so will surely innovate Operations Research at micro and macro levels of layers of Reality which seems to prevail as the Oriental and science-sharing modern Transdisciplinarity .

References

1. Kanti Swarup (1977) Operations Research. Sultan Chand Publishers, NewDelhi, India.
2. Elena S.Wentzel (1983) Operations Research. Mir Publishers, Moscow, USSR.
3. Maurice Sasieni (1959) Operations Research. John Wiley Publishers, New York, USA .
4. *Techno-orientalism: The orientalism of the computer-age* <https://claudiajb.wordpress.com/.../techno-orientalism--orientalism->
5. Merger of technology and human actors:Trends in science & techno-orientalism.

<https://books.google.co.in/books?isbn=0252095340>

6. <http://hinduonline.co/Links.html> for Vishnu Purana
7. C.W.Sanders (1948) The Inner Voice . Radha Soami Satsang , Punjab , India
8. Religious questioning is natural - Church of the Churchless hinessight.blogs.com/church_of_the.../2005/01/questioning_is_.html Science of the Soul Study Centre , Auckland.
9. Swami , R. (1990) Gita – Madhurya . First Edition published @ Gita Press, Gorakhpur, India .
10. Programmes Telecasts on Sanskar TV CHANNEL from India , South Asia.
11. Programmes Telecasts on Aastha TV CHANNEL from India , South Asia.



Biographical sketch :-

The Author passed his Pre-Ph.D Course with Examination in the field of Graph Theory at the Andhra University, Andhra Pradesh State , in the year of 1981 at the Department of Applied Mathematics . Due to financial difficulties on the domestic front and the non-availability of an independent single room for Research Work & Study at the University Research Scholars Hostel for 3 years at the Andhra University, Waltair, in 1981 pending new rooms construction, the author joined the Dena Bank for pay-scale career as an Officer of Banking Statistics in Junior Management in the same year at Bombay (now Mumbai) , Maharashtra State , Western India , which being a Nationalized Bank & Government of India Enterprise in the Banking Sector, relinquishing the research -career-prospects in teaching line jobs, having been awarded the C.S.I.R (Council of Scientific and Industrial Research) Junior Research Fellowship , NEW

DELHI, INDIA, in 1981 under the Chairpersonship of late Mrs. Indira Gandhi, ex-Prime Minister of India. The interest in Graph Theory & Applied Research prevails. To his credit, the Author has so far published 12 Research Papers in International Journals of Science & Technology besides GRAPH THEORY RESEARCH STUDIES & THE 46TH ANNUAL CONFERENCE @ THE INDIAN MATHEMATICAL SOCIETY CERTIFICATE. RESEARCH CONTRIBUTIONS: REGULAR GRAPHS/MATCHINGS IN GRAPHS, INDEPENDENT SETS IN GRAPHS, RESEARCH SEMINARS & FINAL SEMESTER LECTURES ON GRAPH THEORY: CLASS WORK, SEMESTER EXAMINATION & VALUATION & INVIGILATION.

1. MARKET JURISDICTION FOR NATIONALIZED BANKS
2. JOINT PUBLICITY AND PUBLIC SECTOR BANKS
3. BANK LEDGER BALANCING: AN ALGEBRAIC APPROACH
4. MATHEMATICAL ROOTS OF GLOBALIZATION
5. The Nature's Graphs and Underlying Mystifications
6. Mathematical Clique of Spiders : Webs of Trigonometric Appliqué & Social Spiders' Pythagoreanism
7. FROM GEOMETRY-FREE & NUMBER-FREE SHADOWGRAPHY TO PRO-ACTIVE SEMIOSIS
8. Knots Of Ebola : INTELLIGENCE OF COMPOSITE MATHEMATICAL PRODUCT DNA
9. Globalization : A Mathematical Biology & Topology Transformation.
10. A University Model Thesis On Globalization For Globalism
11. Recognition of Mind in Global Systems – A Higher Study.

12. Ne plus ultra : Uniform Global Currency (UGC) & Global Monetarism
13. Roads & Railways' Knowledge to Philosophy, A Next Generation Graph Theory
14. Alphabets, Numbers, Punctuation *profess* Micro Graph Theory
15. Chemistry, Physics sans Mathematics of Super Atom : A 'Self' Appraisal of post- Big Bang Universe
16. Nash Equilibrium's World of Modern Sciences *superspy* Domestic Religions.

It is the personal opinion of the Author that the advent of Computers & Internet has boosted the self-directed research potential of individual Researchers globally. It is the need of the hour that certain Reforms are required in the World of Research lacking in global monitoring to avoid repetitions in the Research Fields which helps avoidance of wastage in Research. Currently, one Global Website for one Field of Universal Knowledge is not in vogue. Also, manual type of thesis should come to an end. Fundamental Reform would be going to have a Global University to bestow recognition on additions to Universal Knowledge rather than Local appeals to Knowledge through local University systems which do not necessarily constitute Universal Knowledge. On the same lines, Global Research Syllabus could be a radical Reform to qualify for research activities on a global-level-scale evaluation.