

List of problems I resonate with!

“Alphabetically arranged.”

- Anomalous magnetic dipole moment?
- Any betterment in the h-index?
- Arrow or cycle of time?
- Can Goldbach conjecture be relaxed applying twin prime conjecture: Let m and n , as $m > n$ is twin prime then $m+n=2m-2=2n+2$ always holds. Notice Right-side, $2n+2$ will always give even number, also n is one of the twins prime. Since there is conjecture that there may be infinity many twin primes thus as a result it may generate infinity many even numbers.
- ~~Can we cure Relativistic quantum mechanics?~~ See My thesis.
- Cantor's continuum hypothesis and Godel incompleteness theorem?
- Collatz conjecture, isn't that pretty hard?
- Design a double slit experimental step-up, such that 1. Screen's material is photoelectric sensitive, 2. Use monochromatic light source (a) single source, (b) Two different monochromatic light sources. The aim to detect the possible ejected photoelectrons out of screen, under suitable conditions. If know PEF is explained by particle nature of light and not by wave nature, thus we may test the pilot-wave theory.
- Did we hear, what Heisenberg indented to comment about “observable and unobservable”?
- Does next force await realization?
- Does of acceptance of existence Magnetic monopole awaits novel shift in conventional POV?
- Does radioactivity nature and binding energy related?
- Euler polygon formula and Phase rule by Gibbs; Why resemblance?
- Extra dimensions of space and time and are they discrete?
- Graviton, yes, or no?
- He explained photoelectric effect then who explain Sonoluminescence?
- Hey, revision in the definition of electric current?
- Hey, why not the expected dip in Galaxy rotation curve?
- How an electron sees ‘that level’ is vacant, so it jumps there?
- How simple sweet gravity at quantum level?
- I don't know Cosmological constant?
- If 0 is neither negative nor positive then, what size is neither small nor big- a unit scale?
- Inverse cube law is that much useful?
- Is a line of symmetry in human body?
- Is coool or hott? The Relativistic temperature.
- Is the concept of imaginary time only a mathematical construct or has any physical worth?
- Is the standard model complete? All permutations of mass, charge and spin physically exist.
- Mixing Pigments vs mixing light rays, any differences?
- Neutrino-Neutrino-Neutrino?
- Origin of mass and electric charge?

Quester: Roshan Raj
Contact: roshankaalkrit@gmail.com

- Riemann Hypothesis, where are zeros?
- That product lies amid cross and dot?
- The famous Coronal Heating Problem?
- The negative pressure?
- The pattern in Prime numbers?
- The problem of Navier-stroke.
- The spin-statistic theorem follows logically from the assumptions of quantum field Theory and it's been proven rigorously in that context but despite all that nobody really understands in a geometric or visual way **why there is this mysterious connection between Spin and particle exchange** if you think you do understand it because you've seen Feynman topological argument or some similar intuitive proof read chapter 20 of the spin statistics book long story short those so-called proofs are actually analogies without any explanatory power. My take is to see e-e attraction idea (in notes): also see this <https://youtu.be/b7OIbMCIfs4?si=8ca8tRjTrmgCB8iR>. “No one fully understood Spinors, their algebra is formally understood but their general significance is mysterious.”
- Uncertainty principle of classical phase variables?
- Uncertainty-Four Vectors-Conservations-Generator-Parameter etc.?
- What if joining gravitation and electrostatics interactions
- What is like to be a non-perturbative Quantum?
- What should be the mathematical rigor or sets of axioms of Quantum field theory?
- When it collapsed- QM measurement?
- Why universal constants appear and are they all just proportionality constants only?
- Yang–Mills theory with a finite mass gap exist?