

## Achievements in the field of physics

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*Each achievement has  
mathematical and geometric proofs.*

- Geometric and mathematical frameworks which correspond precisely to the use of weight to tune musical sounds.
- Geometric and mathematical framework through which to quantify the correct wavelengths for musical sounds.
- Identification of the causal factor of why a resonating material manifests the same sequence of overtones.
- Explanation of the need for the pattern of black and white keys on a keyboard console, demonstration of its connection to any one aspect of the new integrated system of thought for music, harmony and harmonics, and demonstration of its connection to the principle of self-similarity in Chaos research.
- Discovery of the 'natural ellipse', a figure defined by pi's relationship with the form of the circle which corresponds to the paths scribed by celestial bodies in elliptical orbits.
- Geometric and mathematical framework which brings circles, ellipses and logarithmic spirals into a single system of thought with simple harmonic motion.
- A new framework for radians as a measurement of electrical energy which is consistent with the new frameworks for pi, the congruence of the 3–4–5 triangle, logarithmic spirals and ellipses.
- Definition and quantification of 'natural amplitude'.
- Definition and quantification of 'natural arcs', forms which are common to biological phenomena, anatomical phenomena and astronomical phenomena.
- A new framework allowing for a single system of thought for periodic functions, energy, logarithmic spirals and simple harmonic motion.
- Definition of a 'universal measurement for energy' which applies commonly to electrical energy, periodic functions, sound, light and gravitational attraction.
- Proof of how gravity corresponds to the new physics of logarithmic spirals, simple harmonic motion and periodic functions.
- A theory of gravity which explains and remains consistent with the use of weight to tune musical sounds, the geometric proofs of the 'harmonic continuum', and the connection between simple harmonic motion, periodic functions and 'natural amplitude'.