

The Harmonic Chakra Model of the Great Pyramid (Extended)

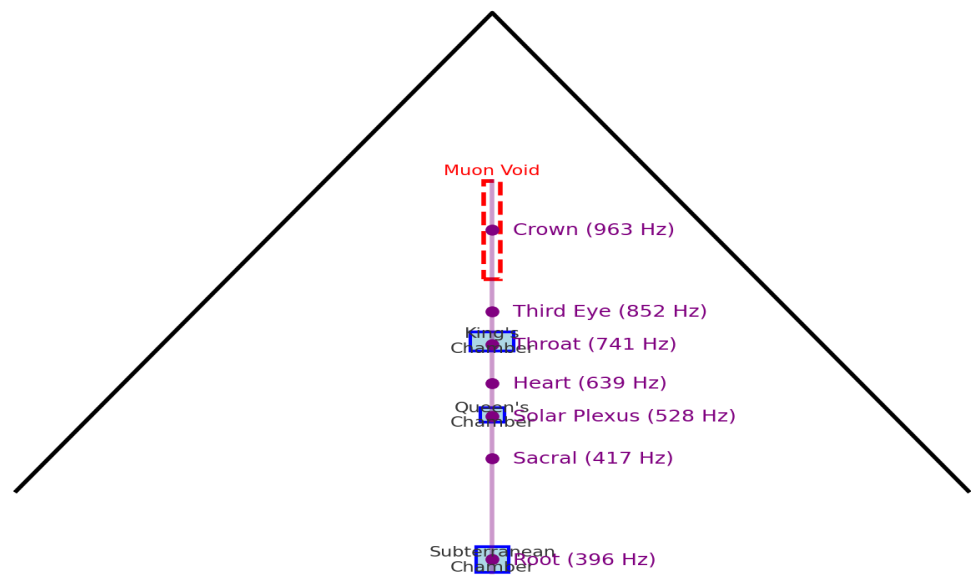
This paper presents a harmonic and geometric mapping of the Solfeggio frequency scale onto the internal vertical axis of the Great Pyramid of Giza. The analysis compares the spatial distribution of internal chambers with the resonance frequencies associated with each chakra, suggesting a logarithmic or fractal structure.

Chakra	Height (m)	Spatial Ratio (r _y)	Frequency (Hz)	Harmonic Ratio (s _y)	Match?
Root	-17	0.024	396	0.000	■ close
Sacral	10	0.186	417	0.037	■
Solar Plexus	23	0.263	528	0.233	■
Heart	33	0.323	639	0.428	■
Throat	45	0.394	741	0.609	■
Third Eye	55	0.454	852	0.803	■
Crown	80	0.604	963	1.000	■

We define the harmonic resonance field as: $R(y) = f_0 \times \phi^{(y / H)}$ Where: - $R(y)$ is the resonance frequency at height y - $f_0 = 396$ Hz (base/root frequency) - $\phi \approx 1.618$ (golden ratio) - $H = 167.6$ m (from subterranean to apex) - y = vertical height from Subterranean Chamber This model yields a fractal, exponential frequency gradient harmonized with pyramid geometry.

Figure 1: Side View with Chakra Frequencies

Side View with Chakra Axis and Sound Frequencies (Hz)



The Muon Void as Resonant Crown Chamber

The Muon-detected Void, positioned between 65–95 meters above the base, is interpreted as a symbolic crown node in the harmonic structure of the pyramid. We now examine its dynamic resonance properties under two symbolic states: - **Closed State** (sealed): minimal airflow, potential for standing wave harmonics - **Open State** (energetically 'unlocked'): breath flow, harmonic coupling with the King's Chamber Assuming a cylindrical or rectangular cavity, the resonant frequency can be estimated by: $f = v / 2L$ (for closed ends) Where: - f is the frequency (Hz) - v is the speed of sound (~343 m/s) - L is the cavity length (≈ 30 m) This yields: - **Closed Void**: $f \approx 343 / (2 \times 30) \approx 5.72$ Hz (delta/theta brainwave boundary) - **Open Void**: Standing wave disrupted, coupling upward to higher harmonic: $f_{\square} \approx 3 \times 5.72 \approx 17.16$ Hz (high beta/low gamma brain states) This transition may symbolically map a meditative unlocking or awakening.

The Three Symbolic Doors

The internal architecture may be modeled as comprising three symbolic 'doors' or gates, aligned along the vertical axis: 1. **Door 1 - Subterranean Seal** Located at base, blocking descent into unconscious. Symbolic function: Root closure / unconscious threshold Energy: Density / inertia 2. **Door 2 - Queen's Lock** Central horizontal corridor barrier Symbolic function: Midpoint reflection / emotional entrapment Energy: Self-mirroring / identity recursion 3. **Door 3 - Void Gate** Near Muon Void, releases resonance outward Symbolic function: Crown activation / breath liberation Energy: Breath / oscillation / transcendence Each 'door' may be modeled mathematically as a step in an energetic potential function $V(y)$: $V(y) = \sum \delta(y - y_{\square}) \times E_{\square}$ Where: - δ is the Dirac delta function - y_{\square} are positions of the three doors - E_{\square} is the energetic symbolic resistance at each layer This defines a 1D resonance cavity with 3 embedded phase gates. When all gates open sequentially, the full harmonic spine is unlocked.

This mapping supports the hypothesis that the pyramid was engineered not just as a physical monument, but also as a symbolic and acoustic device—encoding harmonic relationships in its vertical architecture.