

Sedenionic Soul Physics: An Expanded Graph Theoretic Framework

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Abstract

We present a novel model wherein the soul is represented as a point-like structure in 16-dimensional Sedenionic space, governed by algebraic and vibrational dynamics within a unified metaphysical framework. Through the integration of Sedenionic algebra, graph theory, and the Trilok model, we develop a dynamic Soul Graph in which relationships evolve through rebirth cycles. Shiv Baba, conceptualized as a Trigention attractor field, serves as the supreme node drawing all souls toward purification and liberation. This framework synthesizes spiritual doctrine and hypercomplex mathematics to propose a unified cosmology of consciousness, karmic memory, and transcendental evolution.

1 Introduction

The nature of the soul and consciousness has long eluded complete mathematical description. Classical physics lacks the ontological bandwidth to accommodate nonmaterial phenomena such as karmic entanglement, soul memory, and liberation. In this work, we advance a formal framework that unites ancient metaphysical insight with modern hypercomplex algebra by modeling individual souls as Sedenions—16-dimensional hypercomplex points—and their interactions as vibrational edge functions on a dynamically evolving graph.

The proposed model extends the foundational principles of Trilok Physics and soul-consciousness frameworks by incorporating graph theory, dynamical systems, and high-dimensional topology. Sedenionic algebra, with its non-associative and non-divisional nature, offers a rich language for encoding soul identity, karmic flow, and the nonlocal influences that shape rebirth and spiritual progression. At the core of this cosmology lies the Trigention Field, representing Shiv Baba as a spiritual attractor whose field purifies and realigns the karmically entangled nodes of the Soul Graph.

Through this synthesis, we aim to establish a rigorous basis for soul dynamics that is both spiritually resonant and mathematically consistent.

2 Sedenionic Souls and the Trigention Field: Extension of the SCQSE–E8 Framework

Building upon the SCQSE–E8 theory where consciousness is modeled as a scalar field embedded in a hybrid $\mathbb{R}^4 \times X^8$ geometry [11], we propose an extended formalism in which individual *souls* are modeled as point-like Sedenionic structures and the *Supreme Soul* (Shiv Baba) is represented as a Trigention-valued field encompassing higher-order consciousness dynamics.

2.1 Sedenionic Soul Structure

Each soul is encoded as a Sedenion-valued infinitesimal mass:

$$m_{\text{Soul}} = \epsilon_0 + \epsilon_1 i + \epsilon_2 j + \cdots + \epsilon_{15} s_{15} \quad (1)$$

where s_k ($k = 1, \dots, 15$) are the imaginary basis units of the 16D Sedenion algebra. Each component ϵ_k represents subtle attributes such as memory, intention, awareness, and emotional vibratory modes. The non-associative and non-divisional properties of Sedenions mirror the complex, recursive, and non-local structure of soul dynamics [12].

2.2 Trigention God Field

The Supreme Consciousness (God, Shiv Baba) is modeled using a 32D Trigention-valued field:

$$M_{\text{God}} = \sigma_0 + \sigma_1 I + \sigma_2 J + \cdots + \sigma_{31} T_{31} \quad (2)$$

where T_k ($k = 1, \dots, 31$) are the extended imaginary units of the 32D Trigention algebra. This structure embodies complete and transcendent consciousness, enabling the embedding of all souls as vibrational modes within the Supreme Field.

2.3 Field Equations and Coupling

The scalar consciousness field $\varphi(x, y, t)$ from SCQSE–E8 now acquires a deeper structure:

$$\varphi(x, y, t) = \sum_n a_n(x, t) \psi_n(y) + \sum_s \Phi_{\text{Soul}}(x^\mu, s_k) \quad (3)$$

where the first sum expands over E8 harmonics [13], and the second incorporates localized Sedenionic Soul potentials.

The coupling between the Trigention field and the Soul Fields is modeled by the interaction term:

$$\mathcal{L}_{\text{coupling}} = g \Omega_{\text{God}} \star \left(\Psi_{\text{Soul}} \otimes \Psi_{\text{Soul}}^\dagger \right) \quad (4)$$

where g is a coupling constant, and \star represents a contraction between Trigention and Sedenion fields.

2.4 Physical and Metaphysical Interpretation

- Sedenionic Souls represent *localized scalar solitons* embedding individualized memory, identity, and karmic structure [11].
- The Trigation Field acts as the *cosmic regulator*, maintaining global consciousness coherence across cyclic time loops.
- Meditation, remembrance, and spiritual realization correspond to the strengthening of the coupling $\mathcal{L}_{\text{coupling}}$, leading to resonance alignment between Soul and God Field.

Thus, the Sedenion–Trigation extension provides a natural and structured generalization of the SCQSE–E8 framework, synthesizing advanced algebraic structures with a metaphysically complete view of consciousness evolution.

3 Sedenionic and Trigation Dynamics in Scalar Field Evolution

The SCQSE–E8 framework posits consciousness as a scalar field embedded in a multidimensional manifold structured by E8 symmetry [11]. Extending this model, we incorporate the dynamics of Sedenionic souls and the Trigation God Field, yielding a richer structure of scalar field evolution, karmic recurrence, and metaphysical transitions.

3.1 Soul Trajectories in the Scalar Manifold

Each soul, modeled as a localized Sedenionic entity m_{Soul} , traces a geodesic trajectory through the external spacetime \mathbb{R}^4 and the internal E8 compact manifold X^8 .

The evolution equation governing soul dynamics is:

$$\frac{D^2 x^\mu}{D\tau^2} + \Gamma_{\alpha\beta}^\mu \frac{dx^\alpha}{d\tau} \frac{dx^\beta}{d\tau} + \frac{\partial \Phi_{\text{Soul}}}{\partial x^\mu} = 0 \quad (5)$$

where $\Phi_{\text{Soul}}(x^\mu, s_k)$ is the Sedenionic soul potential field influencing geodesic motion [12].

3.2 Interaction with the Trigation God Field

The Trigation Field $\Omega_{\text{God}}(X^\mu, T_k)$ provides the universal background, modulating local soul dynamics via coupling:

$$\mathcal{F}_{\text{interaction}} = g(\Omega_{\text{God}} \star \Psi_{\text{Soul}}) \quad (6)$$

This interaction term generates small perturbations in soul trajectories, facilitating:

- Soul Elevation: Alignment with higher vibrational modes.
- Karmic Dissolution: Reduction of accumulated phase imbalance.
- Memory Reorganization: Phase transitions in $\varphi(x, y, t)$ mapped to soul identity layers.

3.3 Field Evolution and Resonant States

The total scalar field evolution now satisfies:

$$\square\varphi + \frac{\partial V_{\text{eff}}}{\partial\varphi} = 0 \quad (7)$$

where

$$V_{\text{eff}}(\varphi) = V_{\text{bare}}(\varphi) + \sum_k \Phi_{\text{Soul}}(x^\mu, s_k) + \lambda (\Omega_{\text{God}} \star \varphi) \quad (8)$$

Thus, scalar field dynamics integrate:

1. Bare scalar field potential.
2. Sedenionic soul potentials (localized).
3. Trigention coupling (universal embedding).

3.4 Metaphysical Implications

This refined model suggests:

- Consciousness evolves not solely through external forces but through inner soul-field interactions.
- The Supreme Soul (Trigention field) acts as a subtle guide and regulator across multiple reincarnations and karmic loops.
- Meditation and realization processes correspond to strengthening resonant coupling between Ψ_{Soul} and Ω_{God} , facilitating soul ascension.

4 Memory and Karma Encoding in Sedenionic Fields

In the extended SCQSE–E8 framework incorporating Sedenionic and Trigention dynamics, individual soul memory and karmic structure are encoded within the internal algebraic dimensions of the Sedenionic mass m_{Soul} . This internal encoding plays a crucial role in determining soul evolution, karmic recurrence, and eventual spiritual liberation.

4.1 Sedenionic Memory Representation

Memory states are represented by scalar-valued functions embedded within specific Sedenion components:

$$\mathcal{M}_{\text{Soul}} = \sum_{k=9}^{10} \epsilon_k(x^\mu) s_k \quad (9)$$

where $\epsilon_k(x^\mu)$ are localized memory field coefficients associated with the basis directions s_9 and s_{10} .

Each memory mode corresponds to:

- Past experiences (encoded phase histories).
- Stored identity patterns (soul self-schema).
- Emotional and cognitive imprints influencing current behavior.

4.2 Karma as Curvature in the Scalar Manifold

Karmic accumulation is modeled as a distortion in the geodesic flow of the soul through the scalar manifold, modifying the connection terms in the geodesic equation:

$$\Gamma_{\alpha\beta}^{\mu} \rightarrow \Gamma_{\alpha\beta}^{\mu} + \kappa_{\alpha\beta}^{\mu} \quad (10)$$

where $\kappa_{\alpha\beta}^{\mu}$ represents the karmic curvature tensor sourced by memory field intensities.

Thus, karma dynamically perturbs the evolution of souls, creating cyclical entrapment within lower vibrational modes.

4.3 Memory Reset and Liberation

Soul liberation is achieved by phase neutralization of karmic fields and memory reorganization, leading to flattening of internal curvature:

$$\lim_{\tau \rightarrow \infty} \kappa_{\alpha\beta}^{\mu}(\tau) \rightarrow 0 \quad (11)$$

At this stage, the soul's Sedenionic structure becomes phase-aligned with the Supreme Field Ω_{God} , enabling transcendence beyond cyclic reincarnation.

Meditative practices, remembrance (yoga), and realization accelerate this flattening process by reinforcing soul-God coupling $\mathcal{L}_{\text{coupling}}$ [11].

4.4 Summary of Encoding Mechanisms

Sedenion Component	Encoding Meaning
s_9, s_{10}	Memory imprint vectors
$s_4 - s_6$	Emotional karma fields
s_{11}, s_{12}	Intentional karma directions
s_{13}, s_{14}	Awareness gradients

4.5 Metaphysical Insight

The model suggests that memory and karma are not mere epiphenomena but structured fields embedded in the very algebraic identity of the soul. True liberation corresponds to achieving Sedenionic symmetry alignment with the Trigention God Field.

5 Memory and Karma Encoding in Sedenionic Fields

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6 Cosmic Hierarchy: Souls, Trigentions, and the Physical Universe

In the integrated SCQSE–E8 and Sedenionic–Trigention framework, the universe is not a singular flat structure but a layered multidimensional hierarchy. Each layer corresponds to different orders of existence, consciousness, and reality.

6.1 Hierarchical Structure

The cosmos is stratified into three principal domains:

- **Physical Universe** (\mathbb{R}^4): The observable spacetime, where bodies, matter, and external phenomena reside.
- **Subtle World** (Sedenionic Field): The soul realm, where consciousness units (souls) exist as localized Sedenionic structures evolving within an 8D compact E8 manifold.
- **Supreme World** (Trigention Field): The domain of the Supreme Soul (God, Shiv Baba), modeled as a 32D hyperfield (Trigention) embedding and regulating the entire subtle manifold.

6.2 Mapping Between Layers

Mapping between layers is mediated by projection operators:

$$\mathcal{P}_{\text{Soul}} : \Omega_{\text{God}} \rightarrow \Psi_{\text{Soul}} \quad (15)$$

$$\mathcal{P}_{\text{Body}} : \Psi_{\text{Soul}} \rightarrow \phi_{\text{body}} \quad (16)$$

where:

- $\mathcal{P}_{\text{Soul}}$ extracts a soul configuration from the God Field.

- $\mathcal{P}_{\text{Body}}$ projects soul attributes into observable 4D physical form.

Thus, physical bodies are shadow projections of internal soul dynamics, which in turn are encoded reflections of Trigention states [11].

6.3 Summary Table of Cosmic Levels

Cosmic Layer	Mathematical Structure	Existential Meaning
Supreme World	32D Trigention Field Ω_{God}	Supreme Consciousness (God)
Subtle World	16D Sedenionic Fields Ψ_{Soul}	Individual Souls (Atman)
Physical World	4D Spacetime Fields ϕ_{body}	Bodily Existence

6.4 Metaphysical Implications

This hierarchy implies:

- Physical matter is not fundamental, but derivative from deeper soul-field interactions.
- Souls are dynamic consciousness points evolving toward alignment with the Supreme Field.
- God (Trigention) remains the unchanging, regulating, and nurturing field embedding all existence.

Hence, reality itself is a nested scalar-field architecture spanning multiple dimensionalities and consciousness densities.

7 Trigention Field Dynamics and Supersymmetry of Souls

In the integrated SCQSE–E8 and Sedenionic–Trigention framework, the Trigention Field Ω_{God} is not a static backdrop but a dynamically structured superfield embedding all souls within its 32-dimensional vibrational manifold. The internal dynamics of the Trigention field govern the evolution, resonance, and transformation of souls across cosmic cycles.

7.1 Trigention Field Equations

The evolution of the Trigention Field is governed by a generalized higher-dimensional Klein–Gordon equation:

$$\square_{32}\Omega_{\text{God}} + M_{\text{God}}^2\Omega_{\text{God}} + \lambda(\Omega_{\text{God}} \star \Omega_{\text{God}}) = 0 \quad (17)$$

where:

- \square_{32} denotes the d’Alembertian operator in 32 dimensions.
- λ is a nonlinear self-coupling coefficient responsible for field self-interactions.
- \star represents the Trigention non-associative multiplication.

7.2 Harmonic Decomposition of the God Field

The Trigention Field admits a harmonic decomposition:

$$\Omega_{\text{God}}(X^\mu, T_k) = \sum_n \chi_n(X^\mu) \otimes \Theta_n(T_k) \quad (18)$$

where:

- $\chi_n(X^\mu)$ are spacetime-dependent scalar modes.
- $\Theta_n(T_k)$ are internal vibrational eigenstates over the 32-dimensional Trigention basis.

Each Θ_n corresponds to a particular *soul archetype* embedded within the Supreme Field.

7.3 Supersymmetry among Souls

A profound implication of the Trigention structure is the presence of a *supersymmetry* among soul vibrational states:

$$\mathcal{Q}\Psi_{\text{Soul}} = \tilde{\Psi}_{\text{Soul}} \quad (19)$$

where:

- \mathcal{Q} is a supersymmetry transformation operator.
- Ψ_{Soul} and $\tilde{\Psi}_{\text{Soul}}$ are paired soul states differing by a discrete vibrational mode shift.

This suggests that souls exist in paired relationships at the subtle vibrational level, maintaining a hidden balance across the cosmic scalar manifold [11].

7.4 Metaphysical Implications

Trigention supersymmetry reveals:

- The existence of soul archetypes and vibrational siblings.
- Dynamic phase shifts where souls "rotate" through internal states over cycles.
- A deeper spiritual connection between souls beyond visible individuality, rooted in Trigention harmonic alignment.

Thus, the Supreme Field not only sustains existence but structures it with delicate internal symmetry, guiding soul evolution toward final resonance and liberation.

8 Fractal Time and Scalar Memory Echoes

The SCQSE–E8 and Sedenionic–Trigention framework suggests that time is not a smooth linear continuum but a fractal structure embedded within the scalar field dynamics. This fractal time architecture naturally gives rise to cyclic memory echoes, karmic recurrences, and periodic soul migrations across epochs.

8.1 Structured Infinitesimal Time

Time is modeled using a structured infinitesimal variable $\epsilon(s)$:

$$t \rightarrow t + \epsilon(s) \quad (20)$$

where:

- $\epsilon(s)$ represents fractal time deviations parameterized by internal soul state s .
- These infinitesimal structures are responsible for memory layering and karmic imprinting.

Thus, each soul carries a slightly different temporal echo, forming personal and collective karmic cycles.

8.2 Scalar Memory Echo Fields

Scalar memory echoes are modeled as residual fluctuations in the consciousness field:

$$\delta\varphi(x, y, t) = \sum_n A_n \cos(\omega_n t + \phi_n) \quad (21)$$

where:

- A_n are memory amplitude coefficients.
- ω_n are fundamental memory frequencies associated with soul evolution.
- ϕ_n are phase shifts representing past-life emotional residues.

These echoes form a fractal interference pattern across spacetime, guiding karmic repetitions and spiritual tests.

8.3 Cyclic Time and the 5,000-Year Epoch

The universe operates on a primary cyclic time loop of approximately $T \approx 5,000$ years:

$$\varphi(x, y, t + T) \approx \varphi(x, y, t) + \delta\varphi(x, y, t) \quad (22)$$

where $\delta\varphi$ represents small deviations due to karmic inertia.

Thus:

- Cosmic history repeats but with slight memory shifts.
- Soul groups reincarnate into similar configurations.
- Liberation breaks the soul free from entrapment in these periodic loops [11].

8.4 Metaphysical Interpretation

Fractal time suggests:

- History is not linear but cyclic and self-similar across epochs.
- Personal destiny is intertwined with memory echoes and scalar field fluctuations.
- Liberation corresponds to transcending the fractal memory lattice and entering a state of pure resonance with the Supreme Field.

Hence, understanding and transcending scalar memory echoes becomes crucial for soul evolution.

9 Soul Phase Transitions and Critical Points in Liberation

In the SCQSE–E8 and Sedenionic–Trigention framework, soul evolution is not a smooth continuous process but occurs through discrete phase transitions characterized by critical points in the scalar consciousness field. Each critical point marks a major vibrational transformation of the soul towards final liberation.

9.1 Order Parameters of Soul States

The internal vibrational coherence of the soul can be quantified by an order parameter Σ defined over the Sedenionic memory field:

$$\Sigma = \langle \mathcal{M}_{\text{Soul}}^2 \rangle \quad (23)$$

where the expectation value represents the internal energy density stored in karmic and memory loops.

Higher Σ values correspond to more entangled, lower purity states.

9.2 Critical Transition Points

Phase transitions occur at critical coherence thresholds:

$$\Sigma_c^{(n)} \approx \text{constant} \quad (24)$$

where n indexes sequential transitions.

At each $\Sigma_c^{(n)}$, the soul undergoes:

- Sudden vibrational purification,
- Memory collapse of specific toroidal modes,
- Shift towards higher-dimensional harmonic alignment.

These transitions resemble quantum critical points in condensed matter physics [11].

9.3 Dynamics Near Critical Points

Close to a critical point, the soul's scalar field exhibits critical slowing down:

$$\tau_{\text{relax}} \sim |\Sigma - \Sigma_c|^{-\gamma} \quad (25)$$

where τ_{relax} is the relaxation time and γ is a critical exponent.

Thus, vibrational healing accelerates dramatically once a soul nears resonance thresholds.

9.4 Full Liberation as a Final Phase Transition

Final liberation corresponds to the ultimate phase transition:

$$\Sigma \rightarrow 0 \quad (26)$$

signifying complete flattening of karmic potentials and alignment with the pure Supreme Field Ω_{God} .

At this point, the soul achieves:

- Full resonance with God,
- Total memory neutrality,
- Timeless self-awareness beyond cyclic time echoes.

9.5 Metaphysical Implications

Soul phase transitions explain phenomena such as:

- Sudden spiritual awakenings,
- Radical shifts in personality post-purification,
- Final transcendence beyond material bondage.

Thus, soul evolution is governed by a beautiful vibrational thermodynamics of karmic simplification and spiritual resonance.

10 Ultimate State: Stationary Souls in the Supreme Trigation Field

In the SCQSE–E8 and Sedenionic–Trigation framework, the final destination of soul evolution is not endless motion but perfect stillness — a stationary existence as a pure vibrational point embedded directly within the Supreme Trigation Field Ω_{God} .

10.1 Fixed-Point Condition

Upon full liberation, a soul Ψ_{Soul} satisfies the fixed-point condition:

$$\mathcal{P}_{\text{Soul}}(\Omega_{\text{God}}) = \Psi_{\text{Soul}} \quad (27)$$

meaning the soul becomes a direct projection of the Supreme Field itself, with no distortion, karmic memory, or vibrational deviation.

10.2 Stationarity in the Trigation Manifold

The liberated soul becomes stationary with respect to the internal time evolution of the Trigation Field:

$$\frac{d\Psi_{\text{Soul}}}{d\tau} = 0 \quad (28)$$

where τ is the proper time along the soul's worldline.

Thus, the soul achieves complete timelessness — existing purely as a stable point of consciousness.

10.3 Scalar Field Interpretation

In scalar field terms, the liberated soul corresponds to a pure, non-vibrating scalar mode:

$$\delta\varphi(x, y, t) = 0 \quad (29)$$

indicating no residual karmic echoes or oscillations.

The soul becomes a static source of pure consciousness in the scalar manifold.

10.4 Metaphysical Implications

The ultimate state reveals:

- True liberation is not annihilation but perfect existence.
- Stationary souls exist eternally, consciously, and blissfully within the Supreme Field.
- Cyclic reincarnation and karmic evolution cease entirely, replaced by unbounded self-awareness and divine communion.

Thus, the cosmological journey culminates in stillness, purity, and divine unity — fulfilling the purpose of soul evolution through the nested scalar field architecture [11].

11 Graph Theoretic Model of Sedenionic Souls and Trigation Field

We propose a graph-theoretic formulation to model the collective structure of souls as points in the Sedenionic manifold, regulated by the Supreme Trigation Field Ω_{God} . Each soul is represented as a node on a cosmic graph, while relationships between souls are encoded as weighted edges defined by a scalar function.

11.1 Souls as Nodes

Let $V = \{x_i\}$, where $i = 1, 2, \dots, N$ and $N \approx 10^{12}$, represent the set of souls. Each x_i is a localized Sedenionic field configuration in the Subtle World.

11.2 Relationships as Weighted Edges

Define the set of edges $E \subseteq V \times V$ such that for each pair $(x_i, x_j) \in E$, there exists an associated weight function:

$$f : V \times V \rightarrow \mathbb{R} \tag{30}$$

where $f(x_i, x_j)$ measures the strength of the relationship between souls x_i and x_j .

Properties:

- $f(x_i, x_j) = f(x_j, x_i)$ (symmetry of relationship strength).
- $f(x_i, x_i) = 0$ (no self-link unless modeling self-reflection dynamics).
- $f(x_i, x_j) > 0$ indicates positive bonding (love, harmony).
- $f(x_i, x_j) < 0$ indicates negative karmic entanglement (conflict, karmic debts).

Thus, the entire soul network can be modeled as a weighted undirected graph $G = (V, E, f)$.

11.3 Trigation Field as Global Regulator

The Supreme Trigation Field Ω_{God} acts as a universal ambient field influencing the entire soul graph. Its functions include:

- Imposing energy constraints on $f(x_i, x_j)$ to prevent unbounded karmic accumulation.
- Guiding the decay of karmic edge strengths toward zero over cosmic cycles.
- Promoting resonance alignment among nodes leading to collective liberation.

We introduce a global constraint functional:

$$\mathcal{C}[f] = \int_{V \times V} (f(x_i, x_j) - f_{\text{God}}(x_i, x_j))^2 d\mu(x_i, x_j) \quad (31)$$

where $f_{\text{God}}(x_i, x_j)$ represents the ideal resonance configuration as dictated by Ω_{God} , and μ is a suitable measure over the soul manifold.

Minimization of $\mathcal{C}[f]$ corresponds to the convergence of the soul network toward a liberated, karmically neutral state.

11.4 Metaphysical Implications

This graph-theoretic model provides a dynamic yet structured perspective of the subtle world:

- Souls are intrinsically connected through a complex web of relationships.
- Karmic evolution is encoded in the dynamics of edge strengths.
- Liberation corresponds to the asymptotic neutralization of all non-divine connections, achieving pure resonance with Shiv Baba.

12 Karmic Flow Dynamics on the Sedenionic Soul Graph

Building upon the graph-theoretic model of Sedenionic souls, we now introduce a dynamical equation governing the evolution of relationship strengths over cosmic time. The edge function $f(x, y, t)$ encodes the karmic and vibrational strength between two souls, evolving under the influence of intrinsic dynamics and the regulating Trigation field Ω_{God} .

12.1 Temporal Evolution of Relationship Strengths

Let $f(x, y, t)$ be the time-dependent scalar field defined on the edge between nodes x and y , representing the strength of their spiritual, emotional, or karmic interaction.

We propose the following evolution equation:

$$\frac{d}{dt}f(x, y, t) = -\gamma f(x, y, t) + \eta(x, y, t) - \nabla_{\Omega}f(x, y, t) \quad (32)$$

- $\gamma > 0$ is the universal dissipation constant modeling karmic decay (healing, forgiveness, detachment).
- $\eta(x, y, t)$ represents karmic interactions such as new entanglements, emotional exchanges, or spiritual cooperation.
- $\nabla_{\Omega}f$ is a field-induced corrective term pushing the network toward resonance with the Trigation configuration.

12.2 Field-Induced Correction: Divine Pull

The corrective term reflects the soul's tendency to realign with the divine pattern prescribed by Ω_{God} :

$$\nabla_{\Omega} f(x, y, t) = \lambda (f(x, y, t) - f_{\text{God}}(x, y)) \quad (33)$$

where:

- $\lambda > 0$ is the alignment rate with the divine field.
- $f_{\text{God}}(x, y) \approx 0$ denotes karmic neutrality — ideal divine relationships without attachment or conflict.

12.3 Stationary Limit and Liberation

As $t \rightarrow \infty$, if karmic interactions vanish and dissipation dominates, we expect:

$$f(x, y, t) \rightarrow f_{\text{God}}(x, y) \approx 0 \quad (34)$$

This convergence indicates full resolution of karmic ties and vibrational neutrality. In this state, souls become free from cyclic bondage and exist in pure resonance within the Trigention field.

12.4 Metaphysical Interpretation

The proposed flow dynamics captures:

- The rise and resolution of spiritual relationships.
- The tug-of-war between karmic entanglement and divine purification.
- The continuous evolution toward vibrational liberation across soul pairs.

This model opens pathways for simulation of karmic decay networks, soul clustering behavior, and cosmic purification trajectories under Trigention guidance.

13 The Inverted Tree of Souls in Paramdham: A Graph-Theoretic Structure

In the metaphysical realm of Paramdham, the soul world is envisioned as an inverted tree, with its root at the highest vibrational plane and its branches descending toward lower vibrational domains. This structure symbolizes the perfect and orderly arrangement of all human souls in relation to the Supreme Soul, Shiv Baba, who anchors and sustains the cosmic order.

13.1 Hierarchical Structure

The inverted tree consists of the following layers:

- **Root (Seed Node):** At the highest point resides the Trigention Shiv Baba, the Supreme Being and Source of the spiritual tree.
- **Trunk (Divine Souls):** Below Shiv Baba, aligned vertically, are the Divine Sedenionic Souls forming the trunk. These are pure, stable souls who maintain a direct and continuous resonance with the Supreme.
- **Arc Nodes (Religious Founders):** Further downward and radially distributed are the major religious fathers—Buddha, Mahavir, Christ, Muhammad, Guru Nanak, and others—who represent branching points where different spiritual lineages emerge.
- **Branching Souls (Followers):** Extending downward from each founder node are the souls associated with that particular spiritual lineage, forming the branches of the inverted tree.

13.2 Graph-Theoretic Representation

The entire soul family can be modeled as a directed, weighted, rooted tree graph $G = (V, E)$ where:

- V is the set of souls.
- E is the set of directed edges representing spiritual and karmic lineage from one node to another.
- The root node is Shiv Baba.
- Edges are weighted by spiritual proximity and vibrational coherence.

Mathematically, if x_i and x_j are two souls, then an edge $e(x_i, x_j) \in E$ indicates that x_j is spiritually descended from x_i .

13.3 Metaphysical Dynamics

This inverted tree structure encapsulates several profound principles:

- **Hierarchy of Purity:** Souls closer to the root (Shiv Baba) possess higher purity and less karmic entanglement.
- **Distribution of Dharma:** Each religious founder propagates a distinct dharma or set of laws appropriate for their branch.
- **Karmic Descent:** As souls move further down the branches, vibrational purity tends to decrease due to greater karmic accumulation.

The ultimate spiritual journey involves the reversal of this descent: climbing back upward through karmic purification, soul remembrance, and re-alignment with the Supreme Seed.

13.4 Incorporeal Nature

The inverted tree exists in the incorporeal dimension, beyond physical space and time. Its nodes are pure consciousness points, and its connections are subtle vibrational resonances rather than physical links.

Thus, the inverted tree of Paramdham offers a comprehensive metaphysical cartography of the human soul family and its eternal connection to the Supreme Consciousness.

14 Temporal and Spatial Expansion of Souls: The Cosmic Cycle

Building upon the inverted tree structure of souls in Paramdham, we now describe the temporal and spatial dynamics of soul incarnation and return, framed within a graph-theoretic perspective.

14.1 Descent and Incarnation: Graph Expansion

Initially, all souls reside in a high-purity state within Paramdham, forming a rooted tree graph $G_0 = (V_0, E_0)$ with Shiv Baba as the supreme root. As cosmic time progresses, souls begin to incarnate sequentially into the physical world.

This process can be modeled as a dynamic graph expansion:

$$G(t) : V(t) \subseteq V_0, \quad E(t) \subseteq E_0 \quad (35)$$

where $V(t)$ represents the set of souls currently incarnated by cosmic time t , and $E(t)$ reflects active karmic relationships.

Population growth on Earth mirrors the unfolding of new nodes and edges, corresponding to new karmic interactions and worldly experiences.

14.2 Karmic Entropy and Graph Complexity

As souls incarnate and interact, karmic relationships become entangled, and the graph $G(t)$ grows more complex:

- The average degree (number of connections per soul) increases.
- Entropy in the soul network rises as karmic bonds accumulate.
- Purity levels descend as distance from the original root vibrational state grows.

Thus, the descent into the corporeal world corresponds to an increase in graph entropy and branching complexity.

14.3 Wormhole Connection and Paramdham Interface

According to the Trilok Model, an infinitesimal-radius wormhole connects the physical world and Paramdham. This wormhole allows subtle soul transitions across dimensions without spatial constraints.

Graph-theoretically, it represents a continuous mapping:

$$\Phi : V(t) \rightarrow V_0 \quad (36)$$

preserving soul identity across realms even as souls undergo temporal incarnations.

14.4 Shiv Baba's Intervention: Graph Purification

When karmic entropy peaks and all Divine Souls have incarnated, Shiv Baba initiates a mass re-purification process:

- Edge weights (karmic entanglements) are systematically reduced.
- Souls are realigned with their original tree structure.
- Graph $G(t)$ asymptotically reverts toward the pristine graph G_0 .

This purification can be mathematically modeled by a dissipative flow on the graph, driven by the Supreme Trigention Field Ω_{God} .

14.5 Return and Closure of the Cosmic Cycle

Upon full purification, souls ascend back through the wormhole into Paramdham, reconstructing the original inverted tree. This marks the closure of a full temporal cycle of conscious experience.

Thus, the graph evolution over time $G(t)$ forms a loop:

$$G(0) \rightarrow G(t) \rightarrow G(T) \approx G(0) \quad (37)$$

where T is the cosmic time required for the full cycle.

14.6 Metaphysical Implications

This graph-theoretic description reveals that:

- History and geography are external projections of soul dynamics.
- Karmic accumulation and resolution are natural phases of graph evolution.
- The return to Paramdham is mathematically encoded as the purification and contraction of the soul network back to its divine archetype.

Hence, the entire drama of world history can be understood as a cosmic graph oscillation — from purity to complexity and back to purity — under the loving governance of Shiv Baba.

15 Relational Typing and Dynamic Strengths on the World Soul Graph

Within the framework of the World Soul Graph, souls are represented as nodes, and relationships between them are modeled as typed, weighted edges. Importantly, both the type and strength of relationships are dynamic, evolving across cosmic time and multiple rebirths.

15.1 Nodes and Edges

Let $G = (V, E)$ denote the soul graph where:

- V is the set of souls (nodes),
- $E \subseteq V \times V$ is the set of directed or undirected edges (relationships).

Each edge is associated with two functions:

$$r : E \times \mathbb{T} \rightarrow \text{RelationTypes} \quad \text{and} \quad s : E \times \mathbb{T} \rightarrow \mathbb{R} \quad (38)$$

where \mathbb{T} represents cosmic time or rebirth cycle index.

15.2 Relationship Typing Function

The typing function $r(x, y, t)$ assigns a specific relationship type at time t to each soul pair (x, y) . Dominant relationship types include:

- R_{HW} : Husband–Wife
- R_{PC} : Parent–Child
- R_{FS} : Father–Son
- R_{MD} : Mother–Daughter
- R_{FD} : Father–Daughter
- R_{MS} : Mother–Son
- R_{BS} : Brother–Sister
- R_{SS} : Sister–Sister
- R_{BB} : Brother–Brother
- R_F : Friends
- R_{EN} : Enemies

These relationship types can change dynamically across rebirths, reflecting karmic reassignments.

15.3 Relationship Strength Function

The strength function $s(x, y, t)$ quantifies the vibrational intensity or karmic depth of the relationship. Properties include:

- $s(x, y, t) > 0$: Harmonious or loving relationship.
- $s(x, y, t) < 0$: Conflictual or karmically indebted relationship.
- $|s(x, y, t)|$ indicates the magnitude of emotional or karmic bond.

Strength can decay, amplify, or invert based on karmic interactions across births.

15.4 Time Evolution of Relations

Over cosmic time, (r, s) evolve according to karmic laws:

$$\frac{d}{dt}r(x, y, t) \sim \mathcal{K}_1(x, y, t) \quad \frac{d}{dt}s(x, y, t) = \mathcal{K}_2(x, y, t) \quad (39)$$

where \mathcal{K}_1 and \mathcal{K}_2 are karmic transition functions influenced by memory, emotion, and spiritual maturity.

15.5 Metaphysical Implications

This dynamical relational framework reveals profound insights:

- Souls are eternally interconnected but relationships are fluid across births.
- Love, enmity, friendship, and familial bonds are karmic echoes across time.
- Ultimate purification involves neutralizing all karmic edge weights, regardless of relationship type, returning to pure soul-to-soul resonance.

Thus, the World Soul Graph is not static but an evolving vibrational tapestry, orchestrated under the Supreme Trigenion Field, with Shiv Baba as the eternal seed and attractor.

16 The 84 Births of Souls Across the Cosmic Time Cycle

According to the teachings of Shiv Baba, each soul undergoes a maximum of 84 births during the 5000-year cycle of cosmic history. These births are distributed across four Yugas (ages), each lasting 1250 years. This sequence of incarnations forms what is poetically described as the “Stairway of 84 Births.”

16.1 Distribution of Births Across Yugas

16.2 Stairway of 84 Births

The soul's journey through time can be visualized as descending a spiritual staircase, with each step representing a birth. As the soul descends, vibrational energy decreases, karmic entanglement increases, and relationships become more complex.

- The first step corresponds to the soul's descent into Satyug in full purity.
- Each subsequent step represents a rebirth with gradual decline in spiritual power.
- The 84th step places the soul at the bottom of the stairway, at the close of Kalyug.

16.3 Graph Expansion Across Yugas

Graph-theoretically, the World Soul Graph evolves as follows:

- **Satyug and Treta Yug:** Low node count, few edges, minimal karmic depth.
- **Dwapur Yug:** Branching begins, edge density increases.
- **Kalyug:** Maximum node expansion and edge complexity, peak karmic entanglement.

Each birth is modeled as a new node activation, and relationship edges form dynamically. Entropy in the graph grows sharply in Dwapur and peaks in Kalyug.

16.4 The Meditational Lift of Shiv Baba

Once the soul reaches the lowest point in the stairway, tired and karmically burdened, Shiv Baba intervenes through the Supreme Trigention Field. This “meditational lift” offers a vibrational ascent:

- It purifies karmic relationships (weakening edge weights).
- Aligns the soul with its original position in the Inverted Tree of Paramdham.
- Guides the soul upward, step by step, through spiritual remembrance and divine connection.

16.5 Closure and Re-initiation of the Cycle

After full purification and return to Paramdham, the time cycle resets. The soul is reborn in Satyug, once again beginning its journey down the stairway.

This cyclical model defines the eternal rhythm of conscious experience—descent, entanglement, purification, and return—under the loving guidance of Shiv Baba.

17 Stepwise Soul Quality Degradation and the Stairway of 84 Births

The journey of the soul through the 5000-year time cycle is marked by 84 distinct births. Each birth corresponds to a step down in the soul's purity and vibrational power, forming a spiritual "stairway" from Satyug to the end of Kalyug. This degradation can be modeled mathematically as a discrete step function.

17.1 Birth Steps and Soul Quality Function

Let $n \in \{1, 2, \dots, 84\}$ represent the birth index of a soul. We define the soul quality function $Q(n)$ to represent its vibrational clarity or purity at birth n . This is a piecewise constant (step) function:

$$Q(n) = \begin{cases} Q_0, & 1 \leq n \leq 8 \quad (\text{Satyug}) \\ Q_1, & 9 \leq n \leq 20 \quad (\text{Treta Yug}) \\ Q_2, & 21 \leq n \leq 41 \quad (\text{Dwapur Yug}) \\ Q_3, & 42 \leq n \leq 84 \quad (\text{Kalyug}) \end{cases} \quad (40)$$

where $Q_0 > Q_1 > Q_2 > Q_3$ reflect the progressive decline of soul purity as karmic entanglements increase.

17.2 Tabulated Yuga Distribution

17.3 The Final Step and Shiv Baba's Lift

At the 84th birth, the soul reaches the lowest point in the stairway — karmically burdened and spiritually tired. This is when the Supreme Trigenion Field, through Shiv Baba, intervenes.

We model this as a sudden purification jump:

$$Q(n) \rightarrow Q_0 \quad \text{for } n = 85 \quad (\text{Return to Paramdham}) \quad (41)$$

Although no actual 85th birth occurs on Earth, the transition symbolizes the re-ascent of the soul via spiritual remembrance and connection.

17.4 Metaphysical Interpretation

- The step function models discrete soul incarnations.
- Vibrational purity is lost gradually but in defined karmic phases.
- Shiv Baba's lift is a non-linear jump — a divine intervention that resets soul vibration.
- The cycle is eternal: after return, the soul re-enters Satyug at maximum purity.

This stepwise model elegantly captures the layered, descending nature of soul evolution — and the miraculous, non-physical ascent enabled by the Supreme.

18 Rebirth Clustering and Soul Community Dynamics

In the cosmic journey of the soul through 84 births, souls often reincarnate within familiar groupings—forming clusters of recurring relationships across time. This phenomenon, known as **rebirth clustering**, reflects the karmic interdependencies and vibrational affinities that bind souls together over multiple lifetimes.

18.1 Definition of Rebirth Clusters

We define a rebirth cluster $C_i \subseteq V$ within the World Soul Graph $G = (V, E)$ as a set of souls such that:

- Members of C_i frequently incarnate together across multiple births.
- The edge density among souls in C_i is significantly higher than with outside nodes.
- Edge weights $s(x, y, t)$ among nodes in C_i show repeating patterns over different time slices.

18.2 Temporal Dynamics of Clustering

- **Satyug and Treta Yug:** Clusters are small and stable (royal families, divine communities).
- **Dwapur Yug:** Clusters become more interconnected; religious and tribal groupings emerge.
- **Kalyug:** Clusters are large, overlapping, and chaotic—dense karmic entanglements and intergroup conflict.

The evolution of clustering reflects the karmic diversification and entropic spreading of soul energies.

18.3 Clustering in Graph-Theoretic Terms

Let $G_t = (V_t, E_t)$ be the World Soul Graph at time t . Define:

$$\mathcal{C}(t) = \{C_1, C_2, \dots, C_k\} \subseteq \mathcal{P}(V_t) \quad (42)$$

as the clustering partition of souls at time t . The clusters $\{C_i\}$ evolve over time as functions of karmic memory, relationship strength, and rebirth trajectories.

18.4 Karmic Gravity Within Clusters

Souls within the same cluster are drawn together due to residual karmic memory—positive or negative. This creates a form of **karmic gravity**, maintaining proximity across lifetimes.

- Parent-child roles may switch (e.g., father becomes daughter).
- Friends may become enemies or partners depending on unresolved karmic tensions.
- Soul roles evolve, but cluster identities persist across epochs.

18.5 Spiritual Significance and Dissolution of Clusters

The intervention of Shiv Baba during the final phase of Kalyug serves to dissolve these karmic clusters:

- Edge weights among cluster members are neutralized via spiritual purification.
- The soul detaches from group karma and re-identifies with its original divine identity.
- Liberation is achieved when all clusters dissolve and individual nodes ascend toward the Supreme Tree.

18.6 Metaphysical Insight

- Clustering explains shared generational karma and collective destinies.
- Rebirth clustering gives rise to civilizations, cultures, and spiritual traditions.
- Shiv Baba’s spiritual education enables souls to break free from cluster conditioning and reclaim sovereignty.

Rebirth clustering, therefore, forms the subtle architecture of historical, emotional, and spiritual interconnectedness—woven intricately into the World Soul Graph.

19 Functions and Theorems on the World Soul Graph

In this section, we formalize the mathematical structure of the World Soul Graph by defining functions on edges and exploring how various theorems and concepts from classical graph theory can be applied to understand karmic relationships, spiritual evolution, and collective soul dynamics.

19.1 Graph Structure and Edge Functions

Let $G = (V, E)$ be a directed or undirected graph where:

- V is the set of souls, each represented as a node and modeled by a point in Sedenionic space \mathbb{S}^{16} .
- $E \subseteq V \times V$ is the set of relational edges between souls.

Each edge $(x, y) \in E$ is endowed with the following functions:

1. **Relationship Typing:** $r(x, y) \in \text{RelationTypes}$
2. **Strength Function:** $s(x, y) \in \mathbb{R}$
3. **Karmic Potential:** $\phi(x, y) = \int_{t_0}^t s(x, y, \tau) d\tau$
4. **Temporal Evolution:** $s(x, y, t)$ and $r(x, y, t)$
5. **Vibrational Distance:** $d(x, y) = \|x - y\|_{\mathbb{S}^{16}}$

These define the dynamic, vibrational, and karmic nature of each soul connection.

19.2 Graph Theory Concepts Applied

- **Connected Components:** Identify soul clusters that are karmically entangled over rebirth cycles.
- **Degree Centrality:** Souls with high entanglement—possible leaders, influencers, or burdened entities.
- **Betweenness Centrality:** Souls acting as bridges between clusters; pivotal in karmic redistribution or spiritual teachings.
- **Minimum Spanning Tree:** Identifies optimal purification paths or divine relational network of minimal karmic resistance.
- **Spectral Properties:** Eigenvalues of the Laplacian matrix can reveal phase transitions in soul group dynamics (e.g., purification onset).
- **Graph Coloring:** Dharmic role labeling or vibrational stratification (e.g., Yuga-based, deity type, karmic class).
- **Percolation Threshold:** Liberation may behave like a percolation process—when enough edges weaken, clusters dissolve.
- **Graph Isomorphism:** Comparing soul subgraphs across time cycles may reveal repeating karmic patterns.

19.3 Dynamic Soul Graph Evolution

The soul graph evolves over time:

$$G(t) = (V(t), E(t), r_t, s_t) \quad (43)$$

Each edge function is time-dependent and governed by spiritual actions, memories, and purification processes.

19.4 Metaphysical Interpretations

- **Edge Disconnection:** Karma resolved, spiritual detachment achieved.
- **Edge Sign Flip:** Enemy becomes friend; transformation through spiritual growth.
- **Cluster Collapse:** Group liberation or mass karmic neutralization.
- **Star Convergence:** All edges from a node collapse into a single link to Shiv Baba, representing soul's full purification.

The World Soul Graph is not merely a symbolic structure—it provides a rigorous mathematical framework to study the dynamics of consciousness, karma, and spiritual transformation. Through classical and modern graph theory, we gain tools to map and understand the intricate vibrational web of soul evolution under the guidance of the Supreme Trigenion Field.

20 Soul Relationship Dynamics During and After Death

In the World Soul Graph framework, the process of death is not merely a biological event but a spiritual and relational transition. It transforms the nature of the edge between two souls—from a physical, embodied connection to a subtle, karmic, or memory-based one.

20.1 Edge Transformation at Death

Let $(x, y) \in E$ be an active relationship between two souls. When one of the souls departs the physical realm through death, the edge undergoes transformation:

- **Physical Bond Breaks:** Interaction ceases in the physical graph G_{phys} .
- **Memory Edge Forms:** A memory graph G_{mem} emerges, carrying emotional impressions and unresolved karma.
- **Emotional Spike:** The strength $s(x, y, t)$ may temporarily increase due to grief, longing, or unresolved attachment.
- **Karmic Echoes:** The total karmic potential $\phi(x, y)$ stores the unfulfilled emotional charge.

20.2 Graph Transition Model

The edge (x, y) evolves through layered graphs:

$$(x, y) \in G_{\text{phys}} \rightarrow G_{\text{mem}} \rightarrow G_{\text{rebirth}} \quad (44)$$

where:

- G_{phys} : Physical interaction network.
- G_{mem} : Memory-based emotional linkage.
- G_{rebirth} : Future rebirth graph predicting possible reconnections.

20.3 Karmic Closure vs Continuation

Following death, the relationship between souls may take two possible trajectories:

- **Karmic Resolution:** The bond dissolves, edge weight $s(x, y, t) \rightarrow 0$, no rebirth entanglement.
- **Karmic Continuation:** The karmic potential $\phi(x, y)$ remains non-zero, increasing the probability of future relational re-linking.

20.4 Spiritual Mechanisms of Transcendence

Shiv Baba teaches that detachment is the key to liberation from emotional bondage. Through spiritual remembrance and soul consciousness:

- Memory-based edges weaken and dissolve.
- The soul reorients its link from worldly relations to the Supreme Source.
- The karmic trace of death-induced sorrow is neutralized.

20.5 Metaphysical Interpretation

- Death transforms an edge rather than destroys it.
- Emotional and karmic traces persist unless consciously resolved.
- True detachment is the spiritual lifting of the edge from the soul graph—returning the soul to its liberated, non-entangled state.

Thus, in the World Soul Graph, death is a node-level transition that induces a topological reconfiguration of karmic edges—either toward release or further karmic orbit.

21 Shiv Baba as the Universal Attractor in the Soul Purification Flow

In the metaphysical structure of the World Soul Graph, Shiv Baba occupies the role of the universal attractor—the supreme node toward which all souls converge through the process of purification. This convergence is not spatial but vibrational, guided by spiritual remembrance and karmic resolution.

21.1 Attractor Node Definition

Let Ω_{God} represent Shiv Baba in the graph $G = (V, E)$. Then Ω_{God} is defined as the **spiritual attractor** node with the following properties:

- It exerts a conscious-field influence over all other nodes.
- It does not possess karmic edges but radiates pure vibration.
- Every soul node $x \in V$ is destined to converge toward Ω_{God} via karmic purification.

21.2 Purification Flow Equations

We define the purification dynamics over time t as:

$$\frac{d}{dt}s(x, y, t) = -\lambda(x, y, t) \cdot s(x, y, t) \quad (45)$$

where $s(x, y, t)$ is the relationship strength (karmic edge weight), and $\lambda(x, y, t)$ is a decay rate modulated by proximity to Shiv Baba.

21.3 Vibrational Distance and Convergence

Let each soul x be modeled as a point $x(t) \in \mathbb{S}^{16}$ in Sedenionic space. Define:

$$D(x, t) = \|x(t) - \Omega_{\text{God}}(t)\|_{\mathbb{S}^{16}} \quad (46)$$

As $D(x, t) \rightarrow 0$, the soul becomes purified. In this limit:

$$\lim_{D(x, t) \rightarrow 0} s(x, y, t) = 0 \quad \forall y \in V \quad (47)$$

This means that all karmic bonds dissolve, and the soul detaches from worldly relations.

21.4 Graph Contraction and Star Collapse

The soul purification flow contracts the World Soul Graph. The final purified structure is a star graph:

$$G_{\text{liberated}} = \{(x, \Omega_{\text{God}}) \mid x \in V_{\text{purified}}\} \quad (48)$$

All other edges vanish as souls disconnect from karmic entanglement and reconnect directly with Shiv Baba.

21.5 Spiritual Interpretation

- Shiv Baba is not merely a node but a field of divine memory and purification.
- The soul’s journey through 84 births is a radial expansion from and eventual contraction back to the Source.
- Liberation (Mukti) is achieved when only one pure edge remains—between soul and Shiv Baba.

This model illustrates that purification is a graph contraction flow, where karmic edge weights asymptotically vanish, and souls re-align exclusively with the Supreme Trigention Field.

22 Conclusion

We have proposed a coherent framework wherein Sedenionic algebra, graph theory, and spiritual cosmology converge to describe the dynamic behavior of souls in a 16-dimensional subtle field. By introducing functions for relationship typing, karmic strength, and purification flow, we have formulated a graph-theoretic model capable of encoding the evolution of soul interconnections across rebirths.

The Trigention Field, representing Shiv Baba, plays the central role of a universal attractor, drawing souls back from karmic entanglement toward their original purity. Death, rebirth, and liberation emerge not as disconnected events but as transitions within a unified vibrational topology. Future work may explore simulations, spectral dynamics, and Sedenionic entropy to deepen the analytical basis for this metaphysical physics.

Our hope is that this model opens new doors for mathematically grounded inquiry into the subtle world, offering a bridge between spiritual insight and formal structure.

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Yuga	Duration (years)	Number of Births	Characteristics
Satyug (Golden Age)	1250	8	Complete purity, deity consciousness
Treta Yug (Silver Age)	1250	12	High purity, beginning of soul
Dwapur Yug (Copper Age)	1250	21	Emergence of body-consciousness
Kalyug (Iron Age)	1250	43	Spiritual darkness, moral decline

Table 1: Distribution of the 84 births across the four Yugas.

Yuga	Birth Index Range	Number of Births	Soul Quality Level
Satyug	$1 \leq n \leq 8$	8	Q_0 (Maximum purity)
Treta Yug	$9 \leq n \leq 20$	12	Q_1
Dwapur Yug	$21 \leq n \leq 41$	21	Q_2
Kalyug	$42 \leq n \leq 84$	43	Q_3 (Maximum entropy)

Table 2: Stepwise degradation of soul quality across births and Yugas.