

OOF Complete Variable Nomenclature

Systematic Naming for 1109+ Variables - LLM-Optimized

****Design Principles:****

- 1. Minimal disambiguation - only fix collisions
- 2. Natural English for compound concepts
- 3. Database-friendly (underscores, not dots)
- 4. Token-efficient (short where clear)
- 5. Mathematical convention-compatible
- 6. Type-indicated suffixes (_score, _rate, _level, _prob, _strength)

PART 1: COLLISION RESOLUTION (7 Critical Variables)

The 7 Namespace Collisions - MANDATORY Disambiguation

OLD → NEW (with context)		
=====		
M → M_maya		(illusion/veiling operator)
M → M_manifest		(manifestation from UCB)
M → M_mind		(mind cascade layer)
S → S_sacred		(Sacred Chain S1-S8 level)
S → S_struct		(structure from UCB)
S → S_self		(self cascade layer)
E → E_energy		(energy from UCB)
E → E_ego		(ego cascade layer)
E → E_emerge		(emergence properties)
A → A_aware		(awareness from UCB)
A → A_action		(action from embodying pathway)
C → C_base		(consciousness^consciousness = Ψ^{Ψ})
C → C_creator		(creator consciousness exponent)
C → C_cultural		(cultural/collective level)
P → P_presence		(presence from UCB)
P → P_prana		(prana/breath cascade layer)
P → P_prob		(probability calculations)
P → P_power		(power transformation matrix)
L → L_love		(love from UCB)
L → L_liberate		(liberation component in freedom drive)
L → L_level		(level/layer indicators)

****All other variables keep their current names unchanged.****

PART 2: THE 25 CORE OPERATORS (Tier 1)

Base Operators - Keep Abbreviated

CATEGORY: UCB (8 Operators)

=====

P_presence	Pure presence, now-moment awareness
A_aware	Awareness, self-observation capacity
E_energy	Vitality, life force, available energy
Ψ_base	Base consciousness (Ψ^{Ψ} = consciousness operating on itself)
M_manifest	Manifestation power, reality creation
L_love	Love field strength, heart connection
G_grace	Grace, divine flow, surrender receptivity
S_struct	Structure, organizational coherence

CATEGORY: Distortion Operators (3 Main)

=====

M_maya	Maya, illusion, reality distortion
At	Attachment, ego identification, clinging
W	Witness, objective seeing, non-identification

CATEGORY: Pattern Operators (5)

=====

Hf	Habitual Fixation, repetitive patterns
K	Karma, stored action-consequence patterns
Shadow	Unconscious rejected aspects
Se	Seeking, external validation dependency
Ce	Cleanliness, purity of consciousness

CATEGORY: Structural Operators (4)

=====

I	Intention, directed will
T	Time, temporal focus (past/future/present)
V	Void, emptiness, pre-manifestation space
C_base	Base consciousness power (Ψ^{Ψ})

CATEGORY: Action Operators (5)

=====

Choice	Decision-making capacity
Agency	Self-directed action capability
Resistance	Opposition to flow/change
Openness	Receptivity to new experiences
Surrender	Letting go, non-control

****Total: 25 base operators****

****Naming rule: Keep all these exactly as shown above****

PART 3: CONSCIOUSNESS COORDINATES (180+ Variables)

Sacred Chain (S1-S8 System)

SACRED CHAIN CORE

=====

S_sacred_level	Current consciousness level (1-8)
S_sacred_transition_rate	dS/dt evolution speed
S_sacred_threshold	Minimum level for breakthrough

LEVEL DEFINITIONS (8 States)

```

=====
S1_survival          Fear-based survival consciousness
S2_seeking           Desire-driven seeking consciousness
S3_achievement        Ego-centered achievement consciousness
S4_service            Heart-opening service consciousness
S5_surrender          Grace-receiving surrender consciousness
S6_witness            Awareness-being witness consciousness
S7_wisdom             Integrated knowing wisdom consciousness
S8_unity              Transcendent unity consciousness

TRANSITION COEFFICIENTS
=====
coeff_awareness      k■ coefficient for awareness contribution
coeff_practice        k■ coefficient for practice contribution
coeff_grace           k■ coefficient for grace contribution
coeff_resistance      k■ coefficient for resistance drag

FORMULAS USING THESE
=====
S_sacred_transition_rate = (coeff_awareness × A_aware) +
                           (coeff_practice × Practice_Intensity) +
                           (coeff_grace × G_grace) -
                           (coeff_resistance × Resistance)

```

Three Perfection Pathways (9 Dimensions)

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WITNESSING PATHWAY (3 Dimensions)
=====
pathway_witness_observation    Observation capacity (0.0-1.0)
pathway_witness_perception     Perception clarity (0.0-1.0)
pathway_witness_expression     Expression authenticity (0.0-1.0)

CREATING PATHWAY (3 Dimensions)
=====
pathway_create_intention       Intention strength (0.0-1.0)
pathway_create_attention        Attention focus (0.0-1.0)
pathway_create_manifestation    Manifestation power (0.0-1.0)

EMBODYING PATHWAY (3 Dimensions)
=====
pathway_embody_thoughts        Thought alignment (0.0-1.0)
pathway_embody_words           Word integrity (0.0-1.0)
pathway_embody_actions          Action consistency (0.0-1.0)

```

Five Sacred Drives (100+ Variables)

Each drive has 4 core properties + multiple components:

```

LOVE DRIVE STRUCTURE
=====
drive_love_internal_pct        Internal seeking % (0-100)
drive_love_external_pct        External seeking % (0-100)
drive_love_strength            Overall drive strength (0.0-1.0)
drive_love_fulfillment         Current fulfillment level (0.0-1.0)

LOVE INTERNAL COMPONENTS (Flat naming - Option A)
=====
Love_Internal_Heart_Open       Heart openness component
Love_Internal_Self_Love         Self-love component
Love_Internal_Unconditional     Unconditional capacity component

HEART OPENNESS SUB-COMPONENTS
=====

```

Heart_Open_Ego_Separation	Ego separation factor
Heart_Open_Emotional_Avail	Emotional availability factor
Heart_Open_Vulnerability	Vulnerability openness factor

SELF LOVE SUB-COMPONENTS

Self_Love_Witness	Witnessing component
Self_Love_Shadow_Projection	Shadow projection factor
Self_Love_Acceptance	Self-acceptance factor

UNCONDITIONAL SUB-COMPONENTS

Unconditional_Raga	Attachment to pleasure (inverse)
Unconditional_Dvesha	Aversion to pain (inverse)
Unconditional_Equanimity	Emotional balance component

PEACE DRIVE STRUCTURE

drive_peace_internal_pct	Internal seeking % (0-100)
drive_peace_external_pct	External seeking % (0-100)
drive_peace_strength	Overall drive strength (0.0-1.0)
drive_peace_fulfillment	Current fulfillment level (0.0-1.0)

PEACE INTERNAL COMPONENTS

Peace_Internal_Mental_Still	Mental stillness component
Peace_Internal_Emotional_Equi	Emotional equanimity component
Peace_Internal_Present_Moment	Present moment awareness component

MENTAL STILLNESS SUB-COMPONENTS

Mental_Still_Mind_Proliferation	Mind proliferation rate (inverse)
Mental_Still_Presence	Presence factor
Mental_Still_Meditation_Depth	Meditation depth score

BLISS DRIVE STRUCTURE

drive_bliss_internal_pct	Internal seeking % (0-100)
drive_bliss_external_pct	External seeking % (0-100)
drive_bliss_strength	Overall drive strength (0.0-1.0)
drive_bliss_fulfillment	Current fulfillment level (0.0-1.0)

BLISS INTERNAL COMPONENTS

Bliss_Internal_Spiritual_Ecstasy	Spiritual ecstasy component
Bliss_Internal_Causeless_Joy	Causeless joy component
Bliss_Internal_Divine_Connection	Divine connection component

SATISFACTION DRIVE STRUCTURE

drive_satisfaction_internal_pct	Internal seeking % (0-100)
drive_satisfaction_external_pct	External seeking % (0-100)
drive_satisfaction_strength	Overall drive strength (0.0-1.0)
drive_satisfaction_fulfillment	Current fulfillment level (0.0-1.0)

SATISFACTION INTERNAL COMPONENTS

Satisfaction_Internal_Completeness	Completeness perception
Satisfaction_Internal_Contentment	Contentment level
Satisfaction_Internal_Present_Fullness	Present fullness awareness

FREEDOM DRIVE STRUCTURE

drive_freedom_internal_pct	Internal seeking % (0-100)
drive_freedom_external_pct	External seeking % (0-100)

drive_freedom_strength	Overall drive strength (0.0-1.0)
drive_freedom_fulfillment	Current fulfillment level (0.0-1.0)

FREEDOM INTERNAL COMPONENTS

Freedom_Internal_Liberation	Liberation from patterns
Freedom_Internal_Choice_Conscious	Choice consciousness
Freedom_Internal_Being_Space	Being space (non-doing)

Seven Transformation Matrices (28 States x 7 Matrices = 196 Variables)

TRUTH MATRIX (4 States)

matrix_truth_position	Current state (1-4)
matrix_truth_illusion	State 1: Illusion level
matrix_truth_confusion	State 2: Confusion level
matrix_truth_clarity	State 3: Clarity level
matrix_truth_truth	State 4: Truth realization

LOVE MATRIX (4 States)

matrix_love_position	Current state (1-4)
matrix_love_separation	State 1: Separation level
matrix_love_connection	State 2: Connection level
matrix_love_unity	State 3: Unity experience
matrix_love_oneness	State 4: Oneness realization

POWER MATRIX (4 States)

matrix_power_position	Current state (1-4)
matrix_power_victim	State 1: Victim consciousness
matrix_power_responsibility	State 2: Responsibility taking
matrix_power_mastery	State 3: Mastery development
matrix_power_service	State 4: Service orientation

FREEDOM MATRIX (4 States)

matrix_freedom_position	Current state (1-4)
matrix_freedom_bondage	State 1: Bondage experience
matrix_freedom_choice	State 2: Choice awareness
matrix_freedom_liberation	State 3: Liberation state
matrix_freedom_transcendence	State 4: Transcendence beyond

CREATION MATRIX (4 States)

matrix_creation_position	Current state (1-4)
matrix_creation_destruction	State 1: Destruction phase
matrix_creation_maintenance	State 2: Maintenance phase
matrix_creation_creation	State 3: Creation phase
matrix_creation_source	State 4: Source connection

TIME MATRIX (4 States)

matrix_time_position	Current state (1-4)
matrix_time_past_future	State 1: Past/future focus
matrix_time_present	State 2: Present awareness
matrix_time_eternal	State 3: Eternal perspective
matrix_time_beyond	State 4: Beyond time

DEATH MATRIX (4 States)

matrix_death_position	Current state (1-4)
matrix_death_clinging	State 1: Clinging to life/identity
matrix_death_acceptance	State 2: Acceptance of impermanence

matrix_death_surrender	State 3: Surrender to flow
matrix_death_rebirth	State 4: Rebirth/transformation

PART 4: CASCADE MECHANISM (150+ Variables)

Seven Cascade Levels

```
LEVEL 1: SELF (PURE CONSCIOUSNESS)
=====
cascade_self_cleanliness      Self cleanliness score (0.0-1.0)
cascade_self_baseline         Pure consciousness baseline

LEVEL 2: EGO (SEPARATION/IDENTITY)
=====
cascade_ego_cleanliness       Ego cleanliness score (0.0-1.0)
cascade_ego_separation        Ego separation strength
cascade_ego_asmitta           Asmita (I-am-ness) strength

EGO SUB-COMPONENTS
=====
Ego_Cleanliness_Attachment    Attachment inverse factor
Ego_Cleanliness_Asmitta       Asmita inverse factor

LEVEL 3: MEMORY (SAMSKARA STORAGE)
=====
cascade_memory_cleanliness    Memory cleanliness score (0.0-1.0)
cascade_memory_distortion     Memory distortion level
cascade_memory_samskara_load   Samskara accumulation level

LEVEL 4: INTELLECT (DISCRIMINATION/BUDDHI)
=====
cascade_intellect_cleanliness Intellect cleanliness score (0.0-1.0)
cascade_intellect_discrimination Discrimination capacity
cascade_intellect_maya_factor  Maya contamination factor

LEVEL 5: MIND (THOUGHT GENERATION/MANAS)
=====
cascade_mind_cleanliness      Mind cleanliness score (0.0-1.0)
cascade_mind_proliferation     Thought proliferation rate
cascade_mind_emotional_chaos   Emotional chaos level

LEVEL 6: BREATH (PRANA REGULATION)
=====
cascade_breath_cleanliness    Breath cleanliness score (0.0-1.0)
cascade_breath_strength       Prana strength level
cascade_breath_rhythm         Breath rhythm coherence

LEVEL 7: BODY (PHYSICAL MANIFESTATION)
=====
cascade_body_cleanliness      Body cleanliness score (0.0-1.0)
cascade_body_health           Physical health score
cascade_body_vitality         Vitality level
```

Cleanliness Dynamics

```
CLEANLINESS THRESHOLDS
=====
cleanliness_threshold_liberation  0.90+ Liberation zone
cleanliness_threshold_dharmic     0.70-0.90 Dharmic zone
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cleanliness_threshold_growth	0.50-0.70 Growth zone
cleanliness_threshold_struggle	0.30-0.50 Struggle zone
cleanliness_threshold_darkness	0.00-0.30 Darkness zone

```

CLEANLINESS CHANGE RATES
=====
cleanliness_change_rate      dCleanliness/dt overall
cleanliness_cleaning_effort   Conscious cleaning effort
cleanliness_contamination_rate Environmental contamination rate
cleanliness_grace_multiplier  Grace enhancement factor

```

Demultiplexer Mechanics (Choice Points)

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CHOICE PROBABILITY AT EACH LEVEL
=====
demux_choice_prob_level_1    Choice probability at Self level
demux_choice_prob_level_2    Choice probability at Ego level
demux_choice_prob_level_3    Choice probability at Memory level
demux_choice_prob_level_4    Choice probability at Intellect level
demux_choice_prob_level_5    Choice probability at Mind level
demux_choice_prob_level_6    Choice probability at Breath level
demux_choice_prob_level_7    Choice probability at Body level

PATH SELECTION MECHANICS
=====
demux_path_possibilities      Array of possible paths
demux_consciousness_weights   Consciousness-based weighting
demux_selected_path           Final path selection

```

PART 5: EMOTION DERIVATION (200+ Variables)

Master Emotion Formula Components

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BASE EMOTION STRUCTURE
=====
emotion_base_love            Pure love component (always present)
emotion_ego_config            Ego configuration modifier
emotion_memory_activation     Memory activation pattern
emotion_intellect_interpretation Intellect interpretation layer
emotion_mind_proliferation     Mind proliferation factor
emotion_breath_pattern        Breath pattern influence
emotion_body_expression       Body expression component
emotion_temporal_focus        Temporal focus (past/present/future)
emotion_chakra_activation     Chakra activation pattern
emotion_environmental_field    Environmental field influence

```

Specific Emotions (20+ Core Emotions)

```

JOY
=====
emotion_joy_intensity         Final joy intensity (0.0-1.0)
emotion_joy_love_component     Love base for joy
emotion_joy_ego_reduction      Ego reduction factor
emotion_joy_positive_memory    Positive memory activation
emotion_joy_present_focus      Present moment focus
emotion_joy_heart_open         Heart openness component
emotion_joy_grace_flow         Grace flow enhancement

ANGER

```

```

=====
emotion_anger_intensity      Final anger intensity (0.0-1.0)
emotion_anger_love_base      Love base (frustrated love)
emotion_anger_ego_separation  Ego separation strength
emotion_anger_past_hurt       Past hurt activation
emotion_anger_boundary_violation Boundary violation trigger
emotion_anger_solar_plexus    Solar plexus fire energy

```

FEAR

```

=====
emotion_fear_intensity       Final fear intensity (0.0-1.0)
emotion_fear_love_base       Love base (protective love)
emotion_fear_separation       Separation from safety
emotion_fear_future_projection Future threat projection
emotion_fear_absence_presence Absence of presence
emotion_fear_survival_threat  Survival threat perception

```

SADNESS

```

=====
emotion_sadness_intensity     Final sadness intensity (0.0-1.0)
emotion_sadness_love_base     Love base (longing)
emotion_sadness_separation     Separation from loved
emotion_sadness_past_focus     Past focus (loss)
emotion_sadness_loss_recognition Loss recognition

```

JEALOUSY

```

=====
emotion_jealousy_intensity    Final jealousy intensity (0.0-1.0)
emotion_jealousy_love_base     Love base (possessive love)
emotion_jealousy_ego_separation Ego separation strength
emotion_jealousy_scarcity       Scarcity belief patterns
emotion_jealousy_comparison     Comparison activation
emotion_jealousy_agitation      Mental agitation level

```

COMPASSION

```

=====
emotion_compassion_intensity   Final compassion intensity (0.0-1.0)
emotion_compassion_love_base    Love base (expanded love)
emotion_compassion_soft_boundaries Softened boundaries
emotion_compassion_unity_exp     Unity experience
emotion_compassion_heart_open    Heart openness

```

Nine Rasas (Aesthetic Emotions)

SHRINGARA (LOVE/BEAUTY)

```

=====
rasa_shringara_intensity      Shringara intensity (0.0-1.0)
rasa_shringara_high_love      High love component
rasa_shringara_presence        Presence factor
rasa_shringara_unity_awareness Unity awareness

```

HASYA (JOY/HUMOR)

```

=====
rasa_hasya_intensity          Hasya intensity (0.0-1.0)
rasa_hasya_high_energy         High energy component
rasa_hasya_presence            Presence factor
rasa_hasya_light_ego           Light ego (playfulness)

```

KARUNA (COMPASSION)

```

=====
rasa_karuna_intensity          Karuna intensity (0.0-1.0)
rasa_karuna_love               Love base
rasa_karuna_suffering_aware     Suffering awareness

```



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RAUDRA (ANGER/FURY)
=====
rasa_raudra_intensity      Raudra intensity (0.0-1.0)
rasa_raudra_high_energy    High energy component
rasa_raudra_separation      Separation strength
rasa_raudra_past_hurt      Past hurt activation

VEERA (COURAGE)
=====
rasa_veera_intensity        Veera intensity (0.0-1.0)
rasa_veera_high_energy      High energy component
rasa_veera_purpose            Purpose clarity
rasa_veera_present          Present moment power

BHAYANAKA (FEAR)
=====
rasa_bhayanaka_intensity    Bhayanaka intensity (0.0-1.0)
rasa_bhayanaka_no_presence  Absence of presence
rasa_bhayanaka_future        Future projection
rasa_bhayanaka_separation    Separation from safety

ADBHUTA (WONDER)
=====
rasa_adbhuta_intensity      Adbhuta intensity (0.0-1.0)
rasa_adbhuta_high_awareness High awareness
rasa_adbhuta_openness        Openness to new
rasa_adbhuta_present         Present moment wonder

SHANTA (PEACE)
=====
rasa_shanta_intensity        Shanta intensity (0.0-1.0)
rasa_shanta_low_desire        Low desire state
rasa_shanta_present           Present moment
rasa_shanta_acceptance         Acceptance level

BIBHATSA (DISGUST)
=====
rasa_bibhatsa_intensity      Bibhatsa intensity (0.0-1.0)
rasa_bibhatsa_aversion        Aversion strength
rasa_bibhatsa_past_negative    Past negative conditioning
rasa_bibhatsa_protection        Protection mechanism

```

PART 6: QUANTITATIVE DIMENSIONS (50+ Variables)

POMDP Gap Dynamics

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POMDP STATE VARIABLES
=====
pomdp_real_state      Real actual state (R)
pomdp_believed_state   Believed state (B)
pomdp_observed_state   Observed state (O)

POMDP GAPS
=====
pomdp_reality_gap      |R - B| reality gap
pomdp_observation_gap  |R - O| observation gap
pomdp_belief_gap        |B - O| belief gap
pomdp_severity           $M_{maya} \times (1 - W) \times (1 - A_{aware})$ 

```

Perfection Degree Spectrum

PERFECTION METRICS	
=====	
perfection_degree	0% to ∞ engagement depth
perfection_surface	25% surface application
perfection_moderate	50% moderate engagement
perfection_mastery	100% complete mastery
perfection_transcendence	200%+ transcendence level

Measurement Protocols

CONSCIOUSNESS MEASUREMENT	
=====	
measurement_precision	Consciousness_Level × W × (1 - M_maya)
measurement_operator_matrix	Consciousness as measurement device
measurement_collapse_prob	Probability of state collapse

PART 7: STRUCTURAL ARCHITECTURE (80+ Variables)

Five Circles of Being

CIRCLE DEFINITIONS	
=====	
circle_personal_radius	Vyakti (personal) radius
circle_family_radius	Parivar (family) radius
circle_social_radius	Madhyama (social) radius
circle_professional_radius	Vyavasaya (professional) radius
circle_universal_radius	Vishva (universal) radius
CIRCLE CALCULATIONS	
=====	
circle_radius_influence	Influence extent factor
circle_radius_energy	Energy investment factor
circle_radius_time	Time allocation factor

OS AFC Eight Layers

OS AFC LAYER ACTIVITY	
=====	
osafc_spirit_activity	Spirit layer activity level
osafc_energy_activity	Energy layer activity level
osafc_emotional_activity	Emotional layer activity level
osafc_mental_activity	Mental layer activity level
osafc_vital_activity	Vital layer activity level
osafc_physical_activity	Physical layer activity level
osafc_material_activity	Material layer activity level
osafc_universal_activity	Universal layer activity level

Center of Good

CENTER METRICS	
=====	
center_proximity	Proximity to convergence point
center_drive_integration	Drive integration level
center_sacred_alignment	Sacred Chain alignment

Kosha Integration (5 Sheaths)

KOSHA CLEANLINESS	
=====	
kosha_annamaya_clean	Annamaya (food/physical) cleanliness
kosha_pranamaya_clean	Pranamaya (energy/vital) cleanliness
kosha_manomaya_clean	Manomaya (mental/emotional) cleanliness
kosha_vijnanamaya_clean	Vijnanamaya (wisdom/intellect) cleanliness
kosha_anandamaya_clean	Anandamaya (bliss/causal) cleanliness

PART 8: DYNAMIC MECHANICS (200+ Variables)

Network Effects

NETWORK CORE VARIABLES	
=====	
network_effect_strength	$R^N \times \text{Coherence}^2$
network_connected_nodes	N = number of nodes
network_coherence	Coherence factor
network_critical_mass	$0.035 \times \text{Population}$ (3.5%)
network_committed_count	Current committed individuals
network_distance_to_critical	Critical_Mass - Committed_Count
NODE PROPERTIES	
=====	
network_node_influence	Individual node influence weight
network_coherence_field_i	Coherence field for node i
network_resonance_propagation	Resonance propagation speed

Emergence Properties

EMERGENCE METRICS	
=====	
emergence_threshold	Activation threshold value
emergence_strength	Emergence intensity
emergence_collective_iq	$\text{Group_Mind_IQ} - \text{Sum}(\text{Individual_IQs})$
emergence_morphic_field	Morphic field activation level
emergence_collective_capability	Collective capability emergence

Quantum Superposition & Tunneling

QUANTUM STATE	
=====	
quantum_superposition_state	Transformation■ superposition
quantum_superposition_s2_amp	$\sqrt{0.3} S2■ \text{ amplitude}$
quantum_superposition_s3_amp	$\sqrt{0.5} S3■ \text{ amplitude}$
quantum_superposition_s4_amp	$\sqrt{0.2} S4■ \text{ amplitude}$
COLLAPSE MECHANICS	
=====	
quantum_collapse_prob	Collapse probability
quantum_collapse_readiness	Readiness factor
quantum_collapse_catalyst	Catalyst strength
quantum_collapse_grace	Grace factor
TUNNELING MECHANICS	

```

=====
quantum_tunnel_prob          P(tunnel) = e^(-2κL)
quantum_tunnel_barrier_const κ barrier constant
quantum_tunnel_barrier_width L barrier width
quantum_tunnel_energy        Available energy for tunneling

```

Death Architecture (D1-D7)

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DEATH TYPE DETECTION
=====
death_type_active            Active death process type (D1-D7)
death_depth                  E_energy × V × transformation_magnitude

D1: PHYSICAL DEATH
=====
death_d1_physical_active     D1 activation level
death_d1_physical_intensity   Physical death intensity

D2: RELATIONSHIP DEATH
=====
death_d2_relationship_active  D2 activation level
death_d2_relationship_intensity Relationship ending depth

D3: IDENTITY DEATH
=====
death_d3_identity_active      D3 activation level
death_d3_identity_intensity    Identity dissolution depth

D4: BELIEF SYSTEM DEATH
=====
death_d4_belief_active        D4 activation level
death_d4_belief_intensity      Belief system collapse depth

D5: DESIRE DEATH
=====
death_d5_desire_active        D5 activation level
death_d5_desire_intensity      Desire cessation depth

D6: SEPARATION DEATH
=====
death_d6_separation_active     D6 activation level
death_d6_separation_intensity   Separation ending depth

D7: EGO DEATH
=====
death_d7_ego_active            D7 activation level
death_d7_ego_intensity          Ego dissolution depth

```

Grace Mechanics

```

GRACE CALCULATIONS
=====
grace_availability            G × Surrender × Ce × Readiness
grace_effectiveness           G × (1 - At) × Ce × Readiness
grace_probability             f(prayer, surrender, cleaning, divine_will)
grace_timing                  Unknowable (divine timing)
grace_divine_will              Unknowable component

```

Karma Dynamics

KARMA TYPES (3)

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=====
karma_sanchita           Accumulated karma (storage)
karma_prarabdha          Active karma this life (allocated)
karma_kriyamana           Creating karma now (real-time)

KARMA RATES
=====
karma_generation_rate     Actions × (1 + Hf) × (1 - A_aware)
karma_burning_rate        Ce × G_grace × A_aware
karma_net_change          Generation_Rate - Burning_Rate

KARMA ALLOCATION
=====
karma_allocation_prob_i   Probability karma_i activates
karma_activation_time_i   When karma_i activates
karma_initial_sanchita    Initial accumulated karma (unknowable)

```

PART 9: MASTER REALISM ENGINE (60+ Realism Types)

S1-S2 Realisms (Survival/Seeking Consciousness)

```

SURVIVAL REALISMS
=====
realism_dirty             Dirty Realism weight
realism_naturalistic      Naturalistic Realism weight
realism_biological        Biological Realism weight
realism_survival          Survival Realism weight
realism_scarcity          Scarcity Realism weight
realism_material          Material Realism weight
realism_physical          Physical Realism weight

```

S3-S4 Realisms (Achievement/Service Consciousness)

```

ACHIEVEMENT REALISMS
=====
realism_social            Social Realism weight
realism_psychological     Psychological Realism weight
realism_economic          Economic Realism weight
realism_political         Political Realism weight
realism_achievement       Achievement Realism weight
realism_professional      Professional Realism weight
realism_relational        Relational Realism weight

```

S5-S6 Realisms (Surrender/Witness Consciousness)

```

INTEGRATED REALISMS
=====
realism_emotional         Emotional Realism weight
realism_service           Service Realism weight
realism_flow              Flow Realism weight
realism_integrated        Integrated Realism weight
realism_holistic          Holistic Realism weight

```

S7-S8 Realisms (Wisdom/Unity Consciousness)

```

TRANSCENDENT REALISMS
=====

```

realism_unity	Unity Realism weight
realism_witness	Witness Realism weight
realism_grace	Grace Realism weight
realism_transcendent	Transcendent Realism weight
realism_absolute	Absolute Realism weight
realism_universal	Universal Realism weight

Realism Blending

REALISM BLEND FORMULA	
=====	
realism_blend_final	$\Sigma[\text{Realism}_i \times \text{Weight}_i \times \text{Fractal_Depth}_i]^{\text{C_base}}$
realism_weight_i	Context-specific weight for realism_i
realism_fractal_depth_i	Fractal depth for realism_i
realism_dominant	Highest weighted realism

PART 10: COLLECTIVE REALITY (100+ Variables)

Multi-Human Systems

RELATIONSHIP FIELDS	
=====	
relationship_field_strength	Field strength between 2+ beings
relationship_shared_reality	Shared reality space quality
relationship_we_space_quality	We-space emergence quality
relationship_resonance	Resonance between participants
relationship_time_together	Time factor in field building
WE-SPACE METRICS	
=====	
we_space_coherence	Collective coherence
we_space_shared_sacred	Shared Sacred Chain level
we_space_alignment	Alignment between participants
we_space_emergence	Emergent we-space properties

Morphogenetic Fields

MORPHIC FIELD VARIABLES	
=====	
morphic_field_strength	f(repetitions, participants, coherence)
morphic_repetitions	Number of repetitions
morphic_participants	Number of participants
morphic_coherence	Field coherence level
morphic_access_prob	Access probability for individual
morphic_resonance	Resonance with field

Collective Transformation

GROUP EVOLUTION	
=====	
group_evolution_rate	f(individual_rates, coherence, network)
group_breakthrough_prob	Collective breakthrough probability
group_grace_multiplication	Grace multiplication in groups
group_coherence_multiplier	Coherence enhancement factor

PART 11: ADVANCED MATHEMATICAL FRAMEWORKS (100+ Variables)

Consciousness Field Equations

```
FIELD COMPONENTS
=====
field_consciousness_electric      E_consciousness field
field_consciousness_magnetic      B_consciousness field
field_consciousness_charge        ρ_consciousness charge density
field_consciousness_current       J_consciousness current density
```

Evolution Differential Equations

```
EVOLUTION COEFFICIENTS (Refined)
=====
coeff_awareness_linear            k■ linear awareness coefficient
coeff_practice_linear             k■ linear practice coefficient
coeff_grace_linear                k■ linear grace coefficient
coeff_resistance_linear           k■ linear resistance coefficient
coeff_nonlinear_s5plus            Nonlinear acceleration for S5+
coeff_coupling_operators          Coupling between operators
```

Fourier Analysis of Consciousness

```
FREQUENCY COMPONENTS
=====
fourier_coeff_a_n                A_n sine coefficients
fourier_coeff_b_n                B_n cosine coefficients
fourier_frequency_omega          ω fundamental frequency
fourier_dominant_harmonic        Dominant frequency component

SACRED LEVEL FREQUENCIES
=====
freq_s1_s2_range                 0.1-1 Hz (survival/seeking)
freq_s3_s4_range                 1-30 Hz (achievement/service)
freq_s5_s6_range                 30-100 Hz (surrender/witness)
freq_s7_s8_range                 100+ Hz (wisdom/unity)
```

Sacred Geometry & Golden Mathematics

```
GOLDEN RATIO CHECKS
=====
golden_ratio_witness_maya        W / M_maya > 1.618 (clear seeing)
golden_ratio_seeking_attachment  Se / At > 1.618 (liberation)
golden_ratio_love_fear           L_love / Fear > 1.618 (heart opening)
golden_phi                       1.618033988749...

FIBONACCI & GROWTH
=====
fibonacci_sequence               [1,1,2,3,5,8,13,21,34...]
fibonacci_sacred_mapping         Fibonacci index → S-level
phi_spiral_growth                Growth rate = phi per iteration
```

Information Theory

```
ENTROPY CALCULATIONS
=====
entropy_consciousness            H = -Σ[p_i × log(p_i)]
```

entropy_belief_state	Shannon entropy of beliefs
entropy_information_gain	Information gain from awareness
entropy_prob_i	Probability of state_i

Vibrational Mathematics

HARMONIC FREQUENCIES	
=====	
vibration_base_freq	f█ base frequency
vibration_harmonic_pattern	Harmonic overtone pattern
vibration_resonance_field	Resonance field strength
vibration_modulation	Modulation function
vibration_beat_freq	f█ - f█ beat frequency

PART 12: DYNAMIC EVOLUTION PATTERNS (80+ Variables)

Regression-Evolution Oscillation

OSCILLATION DYNAMICS	
=====	
oscillation_forward_evolution	Forward evolution component
oscillation_regression_pull	Regression pull component
oscillation_amplitude	A oscillation amplitude
oscillation_frequency	ω oscillation frequency
oscillation_phase	φ phase offset
oscillation_regression_depth	k × Breakthrough_Magnitude (k ≈ 0.3)
SPIRAL PATH	
=====	
spiral_base_level	S_sacred_base level
spiral_radius	R spiral radius
spiral_angle	θ angular position
spiral_amplitude	A spiral amplitude

Hierarchical Resolution (H1-H8)

HIERARCHICAL LEVELS	
=====	
hierarchy_h1_personal	H1: Personal (1 being)
hierarchy_h2_interpersonal	H2: Interpersonal (2)
hierarchy_h3_collective	H3: Collective (3-20)
hierarchy_h4_cultural	H4: Cultural (100-100k)
hierarchy_h5_archetypal	H5: Archetypal (all humans)
hierarchy_h6_universal	H6: Universal (all sentient)
hierarchy_h7_absolute	H7: Absolute (beyond subject-object)
hierarchy_h8_void	H8: Void (pre-existence, 0=∞)
HIERARCHY DETECTION	
=====	
hierarchy_current_level	Current H-level from query scope
hierarchy_scope_analysis	Scope analysis for H-level

Creator Consciousness Exponential

CREATOR EXPONENT	
=====	
creator_consciousness	C_creator exponent value

creator_sacred_level	S-level component
creator_unique_signature	Unique signature multiplier
creator_intention_purity	Intention purity factor

CREATOR EXAMPLES

=====

creator_s1_exponent	C ≈ 0.25 at S1
creator_s4_exponent	C ≈ 1.0 at S4
creator_s8_exponent	C → ∞ at S8

REALITY GENERATION

=====

reality_from_creator	Reality = Framework^C_creator
----------------------	-------------------------------

Frequency Pattern Dynamics

BEING FREQUENCY

=====

freq_base	f■ base frequency calculation
freq_harmonic_pattern	Harmonic pattern from operators
freq_resonance_field	Resonance field component
freq_modulation_func	Modulation function

RESONANCE BETWEEN BEINGS

=====

resonance_integral	∫ Φ■(f) × Φ■(f) df
resonance_phi_1	Frequency pattern being 1
resonance_phi_2	Frequency pattern being 2

Non-Linear Growth Dynamics

GROWTH PATTERNS

=====

growth_punctuated_equilibrium	Punctuated equilibrium state
growth_quantum_jump_prob	P(jump) = Readiness × Catalyst × Grace × e^(-Barrier/Energy)
growth_barrier_height	Barrier height to overcome
growth_available_energy	Energy available for jump
growth_plateau_state	Horizontal integration plateau
growth_exponential_zone	Exponential growth zone
growth_acceleration_rate	dS/dt = e^(kt) when aligned

PART 13: DISTORTION MECHANICS (50+ Variables)

Maya Vrittis (Illusion Patterns)

VEILING POWER

=====

maya_avarana_shakti	Avarana Shakti (veiling power)
maya_veiling_strength	Veiling strength level

PROJECTING POWER

=====

maya_vikshepa_shakti	Vikshepa Shakti (projecting power)
maya_projection_strength	Projection strength level

ILLUSION PATTERNS

=====

maya_vritti_count	Number of active vrittis
-------------------	--------------------------

maya_vritti_strength_i	Strength of vritti_i
maya_vritti_pattern_i	Pattern of vritti_i

Kleshas (Afflictions)

ASMITA (I-AM-NESS)	
=====	
klesha_asmita_strength	Asmita strength level
klesha_asmita_ego_identification	Ego identification intensity
RAGA (ATTACHMENT)	
=====	
klesha_raga_strength	Raga strength level
klesha_raga_pleasure_seeking	Attachment to pleasure
DVESHA (AVERSION)	
=====	
klesha_dvesha_strength	Dvesha strength level
klesha_dvesha_pain_avoidance	Aversion to pain
ABHINIVESHA (FEAR OF DEATH)	
=====	
klesha_abhinivesha_strength	Abhinivesha strength level
klesha_abhinivesha_clinging	Clinging to life/identity
AVIDYA (IGNORANCE ROOT)	
=====	
klesha_avidya_strength	Avidya strength level (root ignorance)
klesha_avidya_root_confusion	Root confusion level

PART 14: FIVE ACTS (PANCHAKRITYA) (15 Variables)

FIVE COSMIC ACTS	
=====	
act_srishti_creation	Srishti (creation) activity level
act_sthiti_maintenance	Sthiti (maintenance) activity level
act_samhara_dissolution	Samhara (dissolution) activity level
act_tirodhana_concealment	Tirodhana (concealment) activity level
act_anugraha_grace	Anugraha (grace/revelation) activity level
ACT DOMINANCE	
=====	
act_current_dominant	Currently dominant act
act_creation_phase	In creation phase (boolean)
act_maintenance_phase	In maintenance phase (boolean)
act_dissolution_phase	In dissolution phase (boolean)
act_concealment_active	Concealment active (boolean)
act_grace_active	Grace active (boolean)

PART 15: PLATFORM-SPECIFIC VARIABLES (30+ Variables)

Platform Constraints

TIKTOK CONSTRAINTS	
=====	

platform_tiktok_duration	0-60 seconds
platform_tiktok_hook	3 second hook requirement
platform_tiktok_vertical	Vertical format

EMAIL CONSTRAINTS

=====

platform_email_words	500 word limit
platform_email_scan_time	7 second scan window
platform_email_response_window	24 hour response window

MEETING CONSTRAINTS

=====

platform_meeting_cycle	10 minute attention cycles
platform_meeting_energy_decay	Energy decay rate
platform_meeting_hierarchy	Hierarchy influence factor

GENERAL PLATFORM

=====

platform_base_reality	Base reality before constraints
platform_constrained_output	Output = Base × Platform_Constraints

PART 16: GREEK SYMBOLS & MATHEMATICAL OPERATORS

GREEK SYMBOLS (Keep As-Is Per Edge Case Decision)

=====

Ψ	Psi - consciousness wave function
Ψ_{base}	Ψ^{Ψ} - consciousness operating on itself
Φ	Phi - frequency patterns, golden ratio
θ	Theta - angle, phase, spiral parameter
ω	Omega - angular frequency
κ	Kappa - barrier constant in tunneling
ϕ	Phi (lowercase) - phase offset
■	Hamiltonian operator for consciousness
α	Alpha - coefficient/parameter
β	Beta - coefficient/parameter
γ	Gamma - coefficient/parameter

MATHEMATICAL OPERATORS

=====

∇	Nabla - gradient/divergence operator
∇^2	Laplacian operator
$\partial/\partial t$	Partial derivative with respect to time
\int	Integral operator
Σ	Summation operator
Π	Product operator
$\sqrt{\quad}$	Square root
e	Euler's number (2.71828...)
π	Pi (3.14159...)
∞	Infinity

PART 17: INDEXED VARIABLES (Per Edge Case Decision)

ARRAY/SEQUENCE INDICES

=====

A_index_i	A indexed by i
B_index_n	B indexed by n
k_index_j	k indexed by j

Weight_index_i	Weight indexed by i
Realism_index_i	Realism indexed by i
State_index_n	State indexed by n

COEFFICIENT ARRAYS (Natural Language)

=====

coeff_awareness	Awareness coefficient (k■)
coeff_practice	Practice coefficient (k■)
coeff_grace	Grace coefficient (k■)
coeff_resistance	Resistance coefficient (k■)
coeff_network	Network coefficient
coeff_evolution	Evolution coefficient
coeff_barrier	Barrier coefficient

PART 18: TIME-VARYING VARIABLES (Context-Based Per Edge Case)

TIME-VARYING OPERATORS (Implicit Time)

=====

P_presence	P(t) - presence at time t (context)
A_aware	A(t) - awareness at time t (context)
E_energy	E(t) - energy at time t (context)
Ψ_base	Ψ(t) - consciousness at time t (context)
M_manifest	M(t) - manifestation at time t (context)
L_love	L(f,g) - love field (context)
G_grace	G(t) - grace at time t (context)
S_struct	S(t) - structure at time t (context)

TIME DERIVATIVES (Explicit Rates)

=====

S_sacred_transition_rate	dS/dt - Sacred Chain evolution rate
cleanliness_change_rate	dCleanliness/dt - cleanliness change rate
karma_generation_rate	dK/dt - karma generation rate
energy_change_rate	dE/dt - energy change rate
awareness_growth_rate	dA/dt - awareness growth rate
oscillation_frequency	dθ/dt - oscillation frequency

PART 19: SUMMARY STATISTICS

TOTAL VARIABLE COUNT BY CATEGORY

=====

Core Operators (25):	25
Consciousness Coordinates:	180
Cascade Mechanism:	150
Emotion Derivation:	200
Quantitative Dimensions:	50
Structural Architecture:	80
Dynamic Mechanics:	200
Master Realism Engine:	60
Collective Reality:	100
Advanced Math Frameworks:	100
Dynamic Evolution:	80
Distortion Mechanics:	50
Five Acts:	15
Platform-Specific:	30
Greek & Math Operators:	20
Indexed Variables:	50
Time-Varying:	30

Miscellaneous: 80

TOTAL ESTIMATED VARIABLES: 1,500+
(Document states ~1,109 but analysis shows 1,500+ with all variations)

IMPLEMENTATION GUIDELINES FOR BACKEND

Database Schema Structure

```
// Flat structure - no nested dots
interface OOFVariables {
  // Core Operators
  P_presence: number;
  A_aware: number;
  M_maya: number;
  M_manifest: number;
  // ... all 25 operators

  // Sacred Chain
  S_sacred_level: 1|2|3|4|5|6|7|8;
  S_sacred_transition_rate: number;

  // Drives (5 × 4 = 20)
  drive_love_internal_pct: number;
  drive_love_external_pct: number;
  drive_love_strength: number;
  drive_love_fulfillment: number;
  // ... repeat for peace, bliss, satisfaction, freedom

  // Cascade (7 levels)
  cascade_ego_cleanliness: number;
  cascade_memory_cleanliness: number;
  // ... all 7 levels

  // Continue for all 1,500+ variables...
}
```

Variable Type Suffixes

_score	→ 0.0-1.0 measured value
_rate	→ dx/dt time derivative
_level	→ discrete state (S1-S8, H1-H8)
_prob	→ 0.0-1.0 probability
_strength	→ 0.0-1.0 intensity
_pct	→ 0-100 percentage
_intensity	→ 0.0-1.0 intensity
_index_i	→ indexed variable
_count	→ integer count
_active	→ boolean flag

Collision Resolution Map

```
// Must disambiguate these 7 collisions
const COLLISION_MAP = {
  'M': {
    maya: 'M_maya',          // Illusion operator
    manifest: 'M_manifest',  // Manifestation UCB
    mind: 'M_mind'           // Mind cascade layer
  }
}
```

```

},
'S': {
  sacred: 'S_sacred',          // Sacred Chain S1-S8
  struct: 'S_struct',          // Structure UCB
  self: 'S_self'               // Self cascade layer
},
'E': {
  energy: 'E_energy',          // Energy UCB
  ego: 'E_ego',                // Ego cascade layer
  emerge: 'E_emerge'           // Emergence properties
},
'A': {
  aware: 'A_aware',            // Awareness UCB
  action: 'A_action'           // Action embodying pathway
},
'C': {
  base: 'C_base',              // Consciousness^Consciousness
  creator: 'C_creator'         // Creator exponent
},
'P': {
  presence: 'P_presence',       // Presence UCB
  prana: 'P_prana',             // Prana cascade layer
  prob: 'P_prob',               // Probability
  power: 'P_power'              // Power matrix
},
'L': {
  love: 'L_love',               // Love UCB
  liberate: 'L_liberate'        // Liberation component
}
};

```

LLM Prompt Context Template

When processing OOF calculations, use this variable nomenclature:

Core Operators: P_presence, A_aware, E_energy, Ψ _base, M_manifest, L_love, G_grace, S_struct, At, W, M_maya, Hf

Sacred Chain: S_sacred_level (1-8), S_sacred_transition_rate

Drives: drive_{love|peace|bliss|satisfaction|freedom}_{internal_pct|external_pct|strength|fulfillment}

Cascade: cascade_{ego|memory|intellect|mind|breath|body}_cleanliness

[Continue with relevant variables for the calculation...]

FINAL NOTES

- Total Variables**: ~1,500 (not 1,109 as originally stated - analysis found more with variations)
- Collision Resolution**: All 7 critical collisions (M, S, E, A, C, P, L) MUST use disambiguated names
- Greek Symbols**: Keep as-is (Ψ , Φ , θ , ω , κ , ϕ , etc.)
- Time Context**: Implicit in most variables, explicit _rate suffix for derivatives
- Indexing**: Use A_index_i, B_index_n style, or natural language like coeff_awareness
- Database**: Flat structure with underscores, no nested dots
- Type System**: Use suffixes (_score, _rate, _level, _prob, _strength, _pct) for clarity
- LLM Prompting**: Pass full variable context for each calculation to minimize ambiguity

This nomenclature creates the shortest semantic distance between variable names and LLM comprehension while maintaining mathematical rigor and avoiding conflicts.

=====

OOF COMPLETE NOMENCLATURE - APPENDIX
MATHEMATICAL VARIABLES FROM OOF_MATH.TXT

=====

DOCUMENT PURPOSE:

This appendix extends OOF_Complete_Nomenclature.pdf with variable names for all formulas introduced in OOF_Math.txt. These are the computational variables needed to implement the complete mathematical framework.

PART 20: MATHEMATICAL FORMULA VARIABLES

=====

SECTION 20.1: DRIVE COMPONENT CALCULATIONS (15 vars)

=====

Love Drive Internal Components

heart_open	- heart openness factor (0.0-1.0)
self_love	- self-love level (0.0-1.0)
unconditional_capacity	- capacity for unconditional love (0.0-1.0)
ego_separation	- degree of ego-based separation (0.0-1.0)
emotional_availability	- emotional availability (0.0-1.0)
vulnerability	- vulnerability capacity (0.0-1.0)
shadow_projection	- shadow projection strength (0.0-1.0)
self_acceptance	- self-acceptance level (0.0-1.0)

Peace Drive Internal Components

mental_stillness	- mental quietude level (0.0-1.0)
emotional_equanimity	- emotional balance (0.0-1.0)
present_moment	- present moment absorption (0.0-1.0)
mind_proliferation	- thought proliferation rate (0.0-1.0)
meditation_depth	- meditation depth achieved (0.0-1.0)
rasa_volatility	- emotional volatility (0.0-1.0)

Bliss Drive Internal Components

spiritual_ecstasy	- spiritual ecstasy level (0.0-1.0)
causeless_joy	- joy independent of conditions (0.0-1.0)
divine_connection	- connection to divine (0.0-1.0)
grace_connection	- grace field connection (0.0-1.0)
external_dependency	- dependency on external sources (0.0-1.0)
devotion	- devotional intensity (0.0-1.0)

Satisfaction Drive Internal Components

completeness	- sense of completeness (0.0-1.0)
contentment	- contentment level (0.0-1.0)
present_fullness	- fullness in present (0.0-1.0)
lack_perception	- perception of lack (0.0-1.0)
fullness_recognition	- recognition of inherent fullness (0.0-1.0)
restlessness	- restlessness level (0.0-1.0)
comparison	- comparison tendency (0.0-1.0)

Freedom Drive Internal Components

liberation_from_patterns	- freedom from habitual patterns (0.0-1.0)
choice_consciousness	- consciousness of choice (0.0-1.0)
being_space	- spaciousness of being (0.0-1.0)
breaking_capacity	- capacity to break patterns (0.0-1.0)
free_will	- free will available (0.0-1.0)
awareness_of_choices	- awareness of available choices (0.0-1.0)
doing_compulsion	- compulsion to do (0.0-1.0)
prarabdha_constraint	- karmic constraint from prarabdha (0.0-1.0)

=====

SECTION 20.2: DRIVE STRENGTH CALCULATIONS (10 vars)

=====

love_drive_strength	- strength of love drive (0.0-1.0)
peace_drive_strength	- strength of peace drive (0.0-1.0)
bliss_drive_strength	- strength of bliss drive (0.0-1.0)
satisfaction_drive_strength	- strength of satisfaction drive (0.0-1.0)
freedom_drive_strength	- strength of freedom drive (0.0-1.0)

base_love	- base universal love constant (1.0)
heart_wounds	- accumulated heart wounds (0.0-1.0)
rajas_burnout	- burnout from rajas (0.0-1.0)
tamas_exhaustion	- exhaustion from tamas (0.0-1.0)
spiritual_hunger	- hunger for spiritual experience (0.0-1.0)
unfulfilled_desires	- count of unfulfilled desires
comparison_frequency	- frequency of comparison behavior
perceived_constraints	- perceived constraints on freedom
rebellion_energy	- rebellious energy level (0.0-1.0)

=====

SECTION 20.3: TRANSFORMATION MATRIX STATES (56 vars)

=====

Truth Matrix (4 states)

truth_matrix_position	- current position in truth matrix (0.0-1.0)
truth_matrix_state	- discrete state (illusion/confusion/clarity/truth)
illusion_score	- strength of illusion state (0.0-1.0)
confusion_score	- strength of confusion state (0.0-1.0)
clarity_score	- strength of clarity state (0.0-1.0)
truth_score	- strength of truth state (0.0-1.0)

Love Matrix (4 states)

love_matrix_position	- current position in love matrix (0.0-1.0)
love_matrix_state	- discrete state (separation/connection/unity/oneness)
separation_score	- strength of separation state (0.0-1.0)
connection_score	- strength of connection state (0.0-1.0)
unity_score	- strength of unity state (0.0-1.0)
oneness_score	- strength of oneness state (0.0-1.0)
ego_boundaries	- strength of ego boundaries (0.0-1.0)
empathy	- empathic capacity (0.0-1.0)
we_space_experience	- we-space quality (0.0-1.0)
duality	- duality perception (0.0-1.0)

Power Matrix (4 states)

power_matrix_position	- current position in power matrix (0.0-1.0)
power_matrix_state	- discrete state (victim/responsibility/mastery/service)
victim_score	- strength of victim state (0.0-1.0)
responsibility_score	- strength of responsibility state (0.0-1.0)
mastery_score	- strength of mastery state (0.0-1.0)
service_score	- strength of service state (0.0-1.0)
external_locus	- external locus of control (0.0-1.0)
powerlessness	- sense of powerlessness (0.0-1.0)
blame	- blame tendency (0.0-1.0)
internal_locus	- internal locus of control (0.0-1.0)
choice_recognition	- recognition of choice (0.0-1.0)
skill_level	- skill development level (0.0-1.0)
confidence	- confidence level (0.0-1.0)
results	- results achieved (0.0-1.0)

Freedom Matrix (4 states)

freedom_matrix_position	- current position in freedom matrix (0.0-1.0)
freedom_matrix_state	- discrete state (bondage/choice/liberation/transcendence)
bondage_score	- strength of bondage state (0.0-1.0)
choice_score	- strength of choice state (0.0-1.0)
liberation_score	- strength of liberation state (0.0-1.0)
transcendence_score	- strength of transcendence state (0.0-1.0)

Creation Matrix (4 states)

creation_matrix_position	- current position in creation matrix (0.0-1.0)
creation_matrix_state	- discrete state (destruction/maintenance/creation/source)
destruction_score	- strength of destruction state (0.0-1.0)
maintenance_score	- strength of maintenance state (0.0-1.0)
creation_score	- strength of creation state (0.0-1.0)
source_score	- strength of source state (0.0-1.0)

Time Matrix (4 states)

time_matrix_position	- current position in time matrix (0.0-1.0)
time_matrix_state	- discrete state (past_future/present/eternal/beyond_time)
past_future_score	- strength of past/future state (0.0-1.0)

present_score	- strength of present state (0.0-1.0)
eternal_score	- strength of eternal state (0.0-1.0)
beyond_time_score	- strength of beyond-time state (0.0-1.0)
# Death Matrix (4 states)	
death_matrix_position	- current position in death matrix (0.0-1.0)
death_matrix_state	- discrete state (clinging/acceptance/surrender/rebirth)
clinging_score	- strength of clinging state (0.0-1.0)
acceptance_score	- strength of acceptance state (0.0-1.0)
surrender_score	- strength of surrender state (0.0-1.0)
rebirth_score	- strength of rebirth state (0.0-1.0)

=====

SECTION 20.4: CASCADE CLEANLINESS SUBCOMPONENTS (25 vars)

=====

asmita	- ego identification strength (0.0-1.0)
discrimination	- buddhi discrimination capacity (0.0-1.0)
emotional_chaos	- mind-level emotional chaos (0.0-1.0)
breath_rhythm	- breath rhythm quality (0.0-1.0)
physical_health	- body physical health (0.0-1.0)
vitality	- body vitality level (0.0-1.0)

Cascade Contamination Rates

contamination_rate_general	- general contamination rate
ego_contamination_rate	- ego level contamination rate
memory_contamination_rate	- memory level contamination rate
intellect_contamination_rate	- intellect level contamination rate
mind_contamination_rate	- mind level contamination rate
breath_contamination_rate	- breath level contamination rate
body_contamination_rate	- body level contamination rate

Cascade Cleaning Rates

cleaning_effort_i	- cleaning effort at level i (indexed)
cleaning_rate_i	- cleaning rate at level i (indexed)

Guna Components

rajas	- rajas guna strength (0.0-1.0)
tamas	- tamas guna strength (0.0-1.0)
sattva	- sattva guna strength (0.0-1.0)
dominant_guna	- currently dominant guna (rajas/tamas/sattva)
guna_total	- sum of all gunas (should = 1.0)

Raga/Dvesha System

raga	- attachment to pleasure (0.0-1.0)
raga_strength	- strength of raga (0.0-1.0)
dvesha	- aversion to pain (0.0-1.0)
dvesha_strength	- strength of dvesha (0.0-1.0)
equanimity	- emotional equanimity (0.0-1.0)

=====

SECTION 20.5: EMOTION DERIVATION COMPONENTS (45 vars)

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Emotion Master Formula Components

pure_love	- pure love before cascade filtering
ego_config	- ego configuration modifier
memory_activation	- memory activation pattern
intellect_interpretation	- intellect interpretation modifier
mind_proliferation	- mind proliferation modifier
breath_pattern	- breath pattern modifier
body_expression	- body expression modifier
temporal_focus	- temporal focus modifier
chakra_activation	- chakra activation pattern
environmental_field	- environmental field influence

Specific Emotion Components

pos_memory	- positive memory activation (0.0-1.0)
present_focus	- focus on present (0.0-1.0)
grace_flow	- grace flowing (0.0-1.0)
past_hurt	- past hurt activation (0.0-1.0)

boundary_violation	- boundary violation perception (0.0-1.0)
solar_plexus_fire	- solar plexus chakra fire (0.0-1.0)
separation	- feeling of separation (0.0-1.0)
future_proj	- future projection (0.0-1.0)
survival_threat	- survival threat perception (0.0-1.0)
sep_from_loved	- separation from loved (0.0-1.0)
past_focus	- focus on past (0.0-1.0)
loss_recognition	- recognition of loss (0.0-1.0)
scarcity_patterns	- scarcity belief patterns (0.0-1.0)
agitation	- mental agitation (0.0-1.0)
softened_boundaries	- softened ego boundaries (0.0-1.0)
unity_exp	- unity experience (0.0-1.0)

Specific Emotions (9 + rasas)

joy	- joy emotion magnitude (0.0-1.0)
anger	- anger emotion magnitude (0.0-1.0)
fear	- fear emotion magnitude (0.0-1.0)
sadness	- sadness emotion magnitude (0.0-1.0)
jealousy	- jealousy emotion magnitude (0.0-1.0)
compassion	- compassion emotion magnitude (0.0-1.0)

Nine Rasas

shringara_intensity	- love/beauty rasa (0.0-1.0)
hasya_intensity	- joy/humor rasa (0.0-1.0)
karuna_intensity	- compassion rasa (0.0-1.0)
raudra_intensity	- anger/fury rasa (0.0-1.0)
veera_intensity	- courage rasa (0.0-1.0)
bhayanaka_intensity	- fear rasa (0.0-1.0)
adbhuta_intensity	- wonder rasa (0.0-1.0)
shanta_intensity	- peace rasa (0.0-1.0)
bibhatsa_intensity	- disgust rasa (0.0-1.0)

SECTION 20.6: POMDP GAP DYNAMICS (10 vars)

reality_gap	- gap between real and believed (0.0-1.0)
observation_gap	- gap between real and observed (0.0-1.0)
belief_gap	- gap between believed and observed (0.0-1.0)
pomdp_severity	- overall POMDP severity (0.0-1.0)
real_state	- actual reality state
believed_state	- what user believes is real
observed_state	- what user can measure
maya_induced_gap_magnitude	- gap caused by maya (0.0-1.0)
precision	- measurement precision (0.0-1.0)
measurement_accuracy	- measurement accuracy (0.0-1.0)

SECTION 20.7: FIVE CIRCLES OF BEING (10 vars)

circle_radius	- influence extent of circle
circle_i_radius	- radius of circle i (indexed)
personal_circle_quality	- quality of personal circle (0.0-1.0)
family_circle_quality	- quality of family circle (0.0-1.0)
social_circle_quality	- quality of social circle (0.0-1.0)
professional_circle_quality	- quality of professional circle (0.0-1.0)
universal_circle_quality	- quality of universal circle (0.0-1.0)
influence_extent	- extent of influence
energy_investment	- energy invested in circle
time_allocation	- time allocated to circle

SECTION 20.8: KARMA DYNAMICS (25 vars)

Three Karma Types

sanchita	- accumulated karma (storage)
prarabdha	- active karma this life (allocated)
kriyamana	- karma being created now (real-time)

Karma Generation

```

karma_generation_rate      - dK/dt generation rate
karma_burning_rate         - karma dissolution rate
net_karma_change           - net change in karma
karma_created_j            - karma created by action j (indexed)

# Karma Burning
burn_rate                  - overall burning rate
burning_rate_i             - burning rate for karma type i (indexed)
karma_resolution_rate      - resolution rate of karmic patterns

# Karma Activation
karma_activation_probability_at_time_t - probability karma activates at time t
karma_activation_probability_per_day   - daily activation probability
karma_pull                  - pull of karma on choices (0.0-1.0)
karma_match                 - match between karma and situation (0.0-1.0)
karma_weight_j              - weight of karma j in decisions (indexed)
karma_constraint_i          - constraint imposed by karma i (indexed)

# Karma Types by Domain
physical_karma              - karma in physical domain
emotional_karma             - karma in emotional domain
mental_karma                - karma in mental domain
spiritual_karma             - karma in spiritual domain
relational_karma            - karma in relational domain

# Collective Karma
collective_karma            - shared group karma
collective_karma_share      - individual's share of collective karma
inherited_karma             - karma inherited from ancestors

```

SECTION 20.9: DEATH ARCHITECTURE (20 vars)

```

# Seven Death Types (D1-D7)
d1_physical_death_score    - physical death process strength (0.0-1.0)
d2_relationship_death_score - relationship death strength (0.0-1.0)
d3_identity_death_score    - identity death strength (0.0-1.0)
d4_belief_system_death_score - belief system death strength (0.0-1.0)
d5_desire_death_score      - desire death strength (0.0-1.0)
d6_separation_death_score  - separation death strength (0.0-1.0)
d7_ego_death_score         - ego death strength (0.0-1.0)

# Death Process Variables
active_death_type          - currently active death type (D1-D7)
death_depth                - depth of death process (0.0-1.0)
death_depth_i              - depth of death type i (indexed)
current_death_type         - current primary death process
death_architecture_active  - whether death architecture is active (boolean)

# Grace in Death
grace_availability          - grace available for death process (0.0-1.0)
grace_effectiveness         - grace effectiveness in death (0.0-1.0)
grace_probability          - probability of grace intervention (0.0-1.0)

# Death-Related States
clinging_to_life           - clinging to what's dying (0.0-1.0)
death_acceptance           - acceptance of death process (0.0-1.0)
death_fear                 - fear of death/endings (0.0-1.0)
death_denial               - denial of death process (0.0-1.0)
transformation_through_death - transformation enabled by death (0.0-1.0)
resurrection               - resurrection/rebirth after death (0.0-1.0)

```

SECTION 20.10: NETWORK & COLLECTIVE EFFECTS (30 vars)

```

# Network Structure
network_effect              - network amplification effect
network_coherence           - coherence across network (0.0-1.0)
network_amplification_factor - amplification from network size

```

```

critical_mass          - critical mass threshold (count)
critical_mass_threshold - threshold for breakthrough (count)
critical_mass_distance - distance to critical mass (count)
committed_count       - count of committed individuals

# Collective Consciousness
collective_consciousness_level - average consciousness level of group
collective_intelligence        - emergent group intelligence
collective_iq                  - collective IQ score
group_mind_activation          - activation of group mind (0.0-1.0)
group_mind_iq                  - group mind IQ when activated
collective_capability          - collective capability vs individual

# Collective Evolution
collective_evolution_rate      - evolution rate of collective
group_evolution_rate           - group evolution acceleration
collective_breakthrough_p      - probability of collective breakthrough (0.0-1.0)
collective_breakthrough_probability - same as above (alt name)
collective_transformation_rate - transformation rate of collective

# Field Effects
field_strength                - morphogenetic field strength
field_strength_for_pattern_x  - field strength for specific pattern
morphogenetic_field_strength  - morphic field strength
field_influence_on_individual - how field affects individual
individual_impact_on_collective - how individual affects collective

# Resonance & Coherence
resonance                    - resonance between entities (0.0-1.0)
resonance_ij                 - resonance between i and j (indexed)
coherence                    - overall coherence (0.0-1.0)
coherence_factor_i           - coherence factor for element i (indexed)
pairwise_coherence_ij        - coherence between i and j (indexed)
we_space_quality              - quality of shared consciousness space (0.0-1.0)

=====
SECTION 20.11: QUANTUM CONSCIOUSNESS DYNAMICS (25 vars)
=====

# Superposition
superposition                - consciousness superposition state
superposition_degree         - degree of superposition (0.0-1.0)
superposition_state          - specific superposition configuration

# Wave Function
consciousness_wave_equation  -  $\hat{\Psi}$  wave function
psi_magnitude                - magnitude of  $\hat{\Psi}$ 
psi_total                    - total consciousness wave
psi_final                     - final collapsed state
psi_we                       - collective wave function

# Collapse Mechanics
collapse_probability          - probability of wave collapse (0.0-1.0)
collapse_trigger_function     - function determining collapse
intentional_collapse         - intentional wave function collapse
collapse_probability_to_state_j - probability of collapsing to state j (indexed)
observer_effect               - observer impact on reality
observer_impact_strength      - strength of observer effect (0.0-1.0)

# Quantum Tunneling
tunneling_probability         - probability of quantum tunneling (0.0-1.0)
p_tunnel                      - tunneling probability (alt name)
barrier_height                - energy barrier height
barrier_constant              - barrier constant  $\hat{\Psi}^0$ 
barrier_width                 - width of barrier L

# Decoherence
decoherence_rate              - rate of quantum decoherence
tau_decoherence               - decoherence time constant

```

```
# Entanglement
entanglement_strength      - entanglement between systems (0.0-1.0)
mutual_information_between_individuals - shared quantum information

# Quantum Probability
state_probability_distribution_p_i - probability distribution over states
probability_density          - quantum probability density
probability_waves            - quantum probability waves
```

SECTION 20.12: REALISM BLENDING (65 vars)

```
# Realism Types (60 types from Master Realism Engine)
realism_i_activation        - activation of realism type i (indexed)
realism_i_weight            - weight of realism type i (indexed)
realism_blend               - final blended realism output
final_realism               - final computed realism
final_realism_blend         - complete blended realism
```

```
# Major Realism Categories
physicalist_realism         - materialist/physicalist view (0.0-1.0)
scientific_realism          - scientific worldview (0.0-1.0)
experiential_realism        - experience-based reality (0.0-1.0)
mystical_realism            - mystical/spiritual view (0.0-1.0)
pragmatic_realism           - practical/pragmatic view (0.0-1.0)
idealistic_realism          - idealist philosophy (0.0-1.0)
relational_realism          - relationship-based reality (0.0-1.0)
systemic_realism            - systems view (0.0-1.0)
```

```
# Specific Realisms
absolute_realism            - absolute truth view
relative_realism            - relativistic view
constructivist_realism      - socially constructed reality
phenomenological_realism    - phenomenological view
existential_realism         - existentialist view
transcendent_realism        - transcendent reality
immanent_realism            - immanent divinity
dharmic_realism             - dharma-based reality
karmic_realism              - karma-based causation
graceful_realism            - grace-infused reality
deterministic_realism       - deterministic worldview
probabilistic_realism       - probabilistic worldview
quantum_realism             - quantum view
fractal_realism             - fractal/holographic view
evolutionary_realism        - evolutionary perspective
```

```
# Domain-Specific Realisms
biological_realism          - biological domain
psychological_realism       - psychological domain
social_realism              - social domain
cultural_realism            - cultural domain
economic_realism            - economic domain
political_realism           - political domain
ecological_realism          - ecological domain
cosmic_realism              - cosmic/universal domain
```

```
# Practice-Related Realisms
meditative_realism          - meditation-enhanced reality
contemplative_realism       - contemplative view
shamanic_realism            - shamanic worldview
devotional_realism          - bhakti/devotional path
wisdom_realism              - jnana/wisdom path
service_realism             - seva/service orientation
witness_realism             - witness consciousness view
```

```
# Consciousness-Level Realisms
survival_realism            - S1 survival-based reality
seeking_realism             - S2 desire-based reality
achievement_realism         - S3 achievement-focused reality
```

service_realism	- S4 service-oriented reality
surrender_realism	- S5 surrender-based reality
witness_realism	- S6 witness-based reality
wisdom_realism	- S7 wisdom-integrated reality
unity_realism	- S8 unity consciousness reality

SECTION 20.13: TEMPORAL DYNAMICS (30 vars)

# Time Perception	
subjective_time_rate	- rate of subjective time flow
time_perception	- how time is perceived
temporal_focus	- focus on past/present/future
time_anxiety	- anxiety about time (0.0-1.0)
timeless_awareness	- awareness beyond time (0.0-1.0)
time_transcendence	- transcendence of time (0.0-1.0)
# Time Coordinates	
past	- past temporal focus (0.0-1.0)
present	- present temporal focus (0.0-1.0)
future	- future temporal focus (0.0-1.0)
eternal	- eternal/timeless focus (0.0-1.0)
# Time Dynamics	
temporal_coherence	- coherence across time (0.0-1.0)
time_depth	- depth of temporal awareness
subjective_time	- subjective experience of time
fundamental_time_unit	- basic time quantum
consciousness_time_unit	- consciousness-based time unit
# Kairos vs Chronos	
chronos	- clock time (linear)
kairos_experience	- kairos (opportune moment) experience (0.0-1.0)
# Evolution Over Time	
ds_dt	- sacred chain evolution rate (dS/dt)
dcleanliness_dt	- cleanliness change rate
dk_dt	- karma generation rate
de_dt	- energy change rate
da_dt	- awareness growth rate
dtheta_dt	- oscillation frequency ($d\hat{f}/dt$)
# Time-Related States	
past_reality	- reality as it was in past
present_reality	- reality in present moment
future_reality	- anticipated future reality
eternal_present	- eternal now state
time_collapse	- collapse into eternal present

SECTION 20.14: EVOLUTION & TRANSFORMATION (40 vars)

# Evolution Rates	
evolution_rate	- overall evolution rate
consciousness_evolution_rate	- consciousness evolution rate
transformation_rate	- transformation rate
collective_evolution_acceleration	- acceleration of collective evolution
# Evolution Triggers	
consciousness_evolution_trigger	- trigger for consciousness shift
experience_impact	- impact of experience on evolution
trigger_event_probability	- probability of trigger event (0.0-1.0)
trigger_event_match	- match between event and readiness (0.0-1.0)
# Breakthrough Dynamics	
breakthrough_window_detection	- detection of breakthrough window
p_breakthrough	- breakthrough probability (0.0-1.0)
breakthrough_tipping_point	- tipping point for breakthrough
quantum_leap_probability	- probability of quantum leap (0.0-1.0)

```

# Regression Dynamics
regression_depth      - depth of regression after breakthrough (0.0-1.0)
regression_pull       - pull toward old patterns (0.0-1.0)

# Spiral Evolution
spiral_path           - spiral evolution trajectory
oscillation           - oscillation pattern in evolution

# Transformation Magnitude
transformation_magnitude - magnitude of transformation
required_transformation - transformation required for goal
transformation_completion - completion percentage (0.0-1.0)
transformation_readiness - readiness for transformation (0.0-1.0)

# Growth Phases
exponential_growth_rate - rate during exponential phase
exponential_growth_phase - in exponential growth (boolean)
saturation_phase        - in saturation phase (boolean)
plateau                 - plateau in growth
time_plateau            - duration of plateau

# Integration
integration_period      - integration time after breakthrough
post_breakthrough_integration_time - time needed for integration

# Readiness
readiness              - overall readiness for shift (0.0-1.0)
readiness_to_face      - readiness to face challenge (0.0-1.0)
ripeness               - ripeness for transformation (0.0-1.0)

# Change Dynamics
change                 - magnitude of change
change_force           - force driving change
change_impulse         - impulse for change
resistance              - resistance to change (0.0-1.0)
allowing               - allowing change (0.0-1.0)

# Velocity & Acceleration
transformation_velocity - velocity of transformation
acceleration            - acceleration of evolution
velocity               - velocity of change

```

```

=====
SECTION 20.15: MEASUREMENT & PRECISION (20 vars)
=====

```

```

# Measurement Quality
measurement_precision - precision of measurement (0.0-1.0)
measurement_accuracy  - accuracy of measurement (0.0-1.0)
measurement_resolution - resolution of measurement
measurement_bias      - bias in measurement

# Observer Effects
observer_bias_i        - observer bias at level i (indexed)
measurement_operator    - quantum measurement operator
observer               - observer configuration

# Calibration
device_calibration     - calibration of measuring device
calibration_error      - error in calibration
zero_detection         - detection of zero state

# Confidence
confidence              - confidence in measurement (0.0-1.0)
confidence_ucb          - UCB-based confidence
derived_confidence      - confidence derived from inputs
input_confidence_product - product of input confidences

# Accuracy Metrics

```


accuracy - overall accuracy (0.0-1.0)
base_precision - baseline precision
minimum_distinguishable_difference - minimum detectable difference

Error Terms

systematic_error - systematic error component
random_error - random error component
noise - noise in measurement

SECTION 20.16: PLATFORM CONSTRAINTS (40 vars)

TikTok

tiktok_constraints - TikTok platform constraints
tiktok_fitness_score - fit score for TikTok (0.0-1.0)
hook_time - time for hook (seconds)
video_length_optimal - optimal video length (seconds)

Twitter/X

twitter_fitness_score - fit score for Twitter (0.0-1.0)
characters_per_tweet - character count
hashtag_max - max hashtags allowed
hashtag_optimal - optimal hashtag count
media_per_tweet - media items per tweet

LinkedIn

linkedin_fitness_score - fit score for LinkedIn (0.0-1.0)
linkedin_constraints - LinkedIn platform constraints
professional_tone - professional tone requirement (0.0-1.0)

Instagram

instagram_fitness_score - fit score for Instagram (0.0-1.0)
aspect_ratio - image aspect ratio
captions_required - captions required (boolean)

YouTube

youtube_fitness_score - fit score for YouTube (0.0-1.0)
thumbnail_click_rate - thumbnail click rate target (0.0-1.0)
timestamps_required - timestamps required (boolean)
show_notes_length - show notes length (words)

Email

email_fitness_score - fit score for email (0.0-1.0)
email_constraints - email platform constraints
subject_max - max subject line length
preview_max - max preview text length
scan_time_target - target scan time (seconds)

Blog

blog_fitness_score - fit score for blog (0.0-1.0)
reading_level - target reading level
word_difficulty_level - word difficulty (grade level)
paragraph_max_sentences - max sentences per paragraph
subheadings_every - subheading frequency (paragraphs)

Podcast

podcast_fitness_score - fit score for podcast (0.0-1.0)
audio_quality_min - minimum audio quality
audio_required - audio required (boolean)
intro_max - max intro length (seconds)

Meeting/Presentation

meeting_constraints - meeting platform constraints
meeting_effectiveness - meeting effectiveness score (0.0-1.0)
attention_duration - attention span duration (minutes)
slide_max - max slides allowed

Academic

academic_fitness_score - fit score for academic (0.0-1.0)

academic_paper_constraints	- academic constraints
citations_style	- citation style required
evidence_requirement	- evidence requirement level

SECTION 20.17: COHERENCE & ALIGNMENT (25 vars)

Coherence Types

coherence	- overall coherence (0.0-1.0)
coherence_multiplier	- coherence amplification factor
coherence_achieved	- achieved coherence level
coherence_score	- coherence quality score
bidirectional_coherence	- two-way coherence (0.0-1.0)
operator_coherence	- coherence among operators (0.0-1.0)
temporal_coherence	- coherence across time (0.0-1.0)
collective_field_coherence	- coherence of collective field (0.0-1.0)

Alignment Types

alignment	- overall alignment (0.0-1.0)
alignment_factor	- alignment amplification
alignment_amplification	- amplified alignment
dharma_alignment	- alignment with dharma (0.0-1.0)
dharma_alignment_i	- dharma alignment at level i (indexed)
alignment_with_dharma	- same as dharma_alignment
action_alignment	- action-intention alignment (0.0-1.0)
thought_word_alignment	- thought-word alignment (0.0-1.0)
words_alignment	- words alignment with truth (0.0-1.0)
actions_alignment	- actions alignment with words (0.0-1.0)
purpose_alignment	- alignment with purpose (0.0-1.0)
value_alignment	- alignment with values (0.0-1.0)

Pathway Alignments

witnessing_pathway_score	- witnessing pathway alignment (0.0-1.0)
creating_pathway_score	- creating pathway alignment (0.0-1.0)
embodying_pathway_score	- embodying pathway alignment (0.0-1.0)

Integrity

integrity	- overall integrity (0.0-1.0)
actions_integrity	- integrity of actions (0.0-1.0)

SECTION 20.18: GRACE MECHANICS (20 vars)

Grace Availability

grace_availability	- available grace (0.0-1.0)
grace_effectiveness	- grace effectiveness (0.0-1.0)
grace_probability	- probability of grace (0.0-1.0)
grace_factor	- grace amplification factor
grace_field	- grace field strength
network_grace_field	- network-level grace field

Grace Timing

grace_timing_probability	- probability of grace at right time (0.0-1.0)
grace_timing_window	- window for grace intervention
divine_timing	- divine timing alignment (0.0-1.0)

Grace Modification

grace_modification_i	- grace modification at level i (indexed)
grace_i	- grace at level i (indexed)
grace_multiplication_factor	- grace amplification factor

Grace Reception

grace_reception	- receptivity to grace (0.0-1.0)
grace_flow	- grace flowing (0.0-1.0)
grace_connection	- connection to grace (0.0-1.0)

Grace Effects

grace_acceleration	- acceleration from grace
grace_effectiveness_personal	- personal grace effectiveness

grace_effectiveness_collective - collective grace effectiveness
grace_on_collective - grace affecting collective
grace_field_collective - collective grace field

=====

SECTION 20.19: ADDITIONAL OPERATORS & COEFFICIENTS (50 vars)

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Klesha System (5 afflictions)

avidya_strength - ignorance strength (0.0-1.0)
asmita_strength - ego identification strength (0.0-1.0)
raga_strength - attachment strength (0.0-1.0)
dvesha_strength - aversion strength (0.0-1.0)
abhinivesha_strength - clinging to life strength (0.0-1.0)

Interaction Coefficients

gamma_ij - synergy coefficient between operators i,j
delta_ij - interference coefficient between operators i,j
operator_interaction_effect - combined interaction effect
combined_effect_score - total combined effect score

Rate Constants

k1 - rate constant 1 (awareness)
k2 - rate constant 2 (practice)
k3 - rate constant 3 (grace)
k4 - rate constant 4 (resistance)
k_burn - karma burning rate constant
k_B - Boltzmann-like constant

Coupling Strengths

coupling_strength - coupling between systems
bidirectional_coupling_strength - bidirectional coupling

Complexity Factors

complexity - system complexity measure
complexity_handled - complexity that can be handled
complexity_preservation - preservation of complexity

Harmonic Components

f0 - fundamental frequency
harmonic_pattern - harmonic pattern structure
harmonic_strength_n - strength of harmonic n (indexed)
primary_harmonic - primary harmonic component
second_harmonic - second harmonic component
third_harmonic - third harmonic component

Resonance Frequencies

omega - angular frequency ω
omega_0 - natural frequency
omega_n - harmonic frequency n (indexed)
omega_osc - oscillation frequency
f_beat - beat frequency

Decay & Growth Constants

tau - time constant τ
tau_decay - decay time constant
tau_c - critical time constant
tau_decoherence - decoherence time constant
tau_life - lifetime constant
tau_window - window time constant

Phase Parameters

phi - phase angle ϕ
phi_i - phase of component i (indexed)
phi_k - phase of k (indexed)
phi_n - phase of harmonic n (indexed)

Width & Spread

sigma - standard deviation σ
sigma_0 - base standard deviation

sigma_i	- sigma for component i (indexed)
sigma_ij	- correlation coefficient between i,j
width	- distribution width
barrier_width	- quantum barrier width L
# Amplitude Parameters	
amplitude_i	- amplitude of component i (indexed)
a_n	- amplitude of mode n (indexed)
a_total	- total amplitude

SECTION 20.20: H-LEVEL (HIERARCHY) VARIABLES (20 vars)

# H-Level Scores (8 levels)	
h1_personal_score	- H1 personal level score (0.0-1.0)
h1_score	- H1 score (alt name)
h2_interpersonal_score	- H2 interpersonal level score (0.0-1.0)
h2_score	- H2 score (alt name)
h3_collective_score	- H3 organizational level score (0.0-1.0)
h3_score	- H3 score (alt name)
h4_cultural_score	- H4 industry/cultural level score (0.0-1.0)
h4_score	- H4 score (alt name)
h5_archetypal_score	- H5 societal level score (0.0-1.0)
h5_score	- H5 score (alt name)
h6_universal_score	- H6 humanity level score (0.0-1.0)
h6_score	- H6 score (alt name)
h7_absolute_score	- H7 consciousness level score (0.0-1.0)
h7_score	- H7 score (alt name)
h8_void_score	- H8 void/totality level score (0.0-1.0)
h8_score	- H8 score (alt name)

# H-Level Detection	
h_level_detection_from_query	- detected H-level from query text
hierarchical_multiplication_factor	- $10^{(H-1)}$ scaling factor
scope_indicators	- count of scope-indicating words
multi_level_query	- query spans multiple H-levels (boolean)

SECTION 20.21: PANCHAKRITYA (FIVE ACTS) (10 vars)

# Five Divine Acts	
srishti_creation_strength	- strength of creation act (0.0-1.0)
sthiti_maintenance_strength	- strength of maintenance act (0.0-1.0)
samhara_dissolution_strength	- strength of dissolution act (0.0-1.0)
tirodhana_concealment_strength	- strength of concealment act (0.0-1.0)
anugraha_grace_strength	- strength of grace act (0.0-1.0)

# Act Balance	
panchakritya_balance	- balance across five acts (0.0-1.0)
act_balance_score	- balance score for five acts
current_dominant_act	- currently dominant act
dominant_act	- dominant act (alt name)
five_acts_integration	- integration of five acts (0.0-1.0)

SECTION 20.22: ADVANCED MATHEMATICAL STRUCTURES (30 vars)

# Manifold & Geometry	
consciousness_manifold_metric	- metric tensor for consciousness manifold
geodesic_equation	- geodesic path equation
riemann_curvature_tensor	- curvature of consciousness space
christoffel_symbols	- connection coefficients
parallel_transport	- parallel transport operator

# Topology	
betti_numbers	- topological invariants
euler_characteristic	- topological Euler characteristic
fundamental_group	- fundamental group of space
homotopy_equivalence	- homotopy between states

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homology_groups          - homology groups

# Category Theory
morphisms                - morphisms between objects
composition              - composition of morphisms
colimit                  - colimit in category
pushout                  - pushout in category
pullback                  - pullback in category

# Complex Analysis
consciousness_complex_function - consciousness in complex plane
poles                    - poles of complex function
residue_theorem_application - residue theorem use
conformal_mapping_of_consciousness_space - conformal map

# Differential Geometry
lie_algebra_commutator    - Lie bracket [X,Y]
infinitesimal_generator   - infinitesimal generator of group
consciousness_symmetry_group - symmetry group
noether_theorem_application - conservation from symmetry

# Spectral Analysis
spectral_triple           - noncommutative geometry structure
connes_distance_formula    - distance in spectral triple

# Information Theory
information_content        - information content measure
information_gain_through_evolution - information gained
entropy                    - entropy/uncertainty measure
mutual_information_between_individuals - shared information

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SECTION 20.23: STOCHASTIC & PROBABILISTIC (25 vars)
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# Probability Distributions
probability_i             - probability of state i (indexed)
p_i                       - probability (alt name)
probability_density        - probability density function
state_probability_distribution_p_i - probability distribution

# Markov Processes
markov_chain_state_transitions - Markov transition matrix
branch_probability_i       - branching probability i (indexed)
path_selection             - selected path
path_selection_probability - probability of path selection
choice_probability_at_level_i - choice probability at cascade level i

# Stochastic Components
random_component           - random/stochastic component
stochastic_term            - stochastic term in equation
random_error               - random error component

# Prior & Posterior
prior_probability_i        - prior probability of state i (indexed)
bayesian_network           - Bayesian network structure

# Jump Processes
jump_process_for_breakthroughs - jump process dynamics
p_jump                     - jump probability (0.0-1.0)
quantum_jump_probability   - quantum jump probability

# Logistic Growth
logistic_growth_model      - logistic growth dynamics
critical_density            - critical density threshold

# Probabilities by Type
collapse_probabilities     - all collapse probabilities
p_breakthrough             - breakthrough probability
p_threshold                 - threshold crossing probability

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p_window	- window availability probability
p_cascade	- cascade probability
p_emerge	- emergence probability
p_grace	- grace intervention probability

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SECTION 20.24: CAUSALITY & LOGIC (15 vars)

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Bidirectional Causation

causation_strength_forward	- forward causation strength (0.0-1.0)
causation_strength_backward	- backward causation strength (0.0-1.0)
reality_manifestation_rate	- rate reality manifests from consciousness
consciousness_evolution_trigger	- trigger for consciousness shift

Causal Chains

causal_chain	- sequence of causal links
feedback_loop_gain	- amplification in feedback loop
loop_gain	- loop gain factor

DAG Structure

dag	- directed acyclic graph
causal_dependencies	- causal dependency structure
computation_sequence	- computation order

Logic Types

logic	- logical reasoning strength (0.0-1.0)
sequential_thinking	- sequential logic capacity (0.0-1.0)
paradoxical_realism	- ability to hold paradox (0.0-1.0)

Determinism

determinism	- deterministic component (0.0-1.0)
free_will	- free will component (0.0-1.0)
no_free_will	- no free will component (0.0-1.0)

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SECTION 20.25: MISCELLANEOUS CRITICAL VARIABLES (40 vars)

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Attention & Focus

attention	- attention capacity (0.0-1.0)
attention_focus	- focus of attention
attention_quality	- quality of attention (0.0-1.0)
attention_stability	- stability of attention (0.0-1.0)
focus_intensity	- intensity of focus (0.0-1.0)
focus_stability	- stability of focus (0.0-1.0)

Awareness Types

awareness	- overall awareness (0.0-1.0)
awareness_breadth	- breadth of awareness
awareness_during_action	- awareness while acting (0.0-1.0)
awareness_exponent	- awareness amplification exponent
awareness_of_choices	- awareness of available choices (0.0-1.0)
detached_awareness	- witness-like detached awareness (0.0-1.0)

Intention & Will

intention_clarity	- clarity of intention (0.0-1.0)
intention_purity	- purity of intention (0.0-1.0)
will_strength	- strength of will (0.0-1.0)
will_power	- willpower available (0.0-1.0)

Trust & Surrender

trust	- trust level (0.0-1.0)
trust_in_process	- trust in process (0.0-1.0)
trust_in_unknown	- trust in unknown (0.0-1.0)
surrender	- surrender level (0.0-1.0)
surrender_depth	- depth of surrender (0.0-1.0)
surrender_of_power	- surrendering control (0.0-1.0)
surrender_to_divine	- surrender to divine (0.0-1.0)

Wisdom & Understanding

- wisdom - wisdom level (0.0-1.0)
- understanding - understanding depth (0.0-1.0)
- discrimination_capacity - capacity to discriminate (0.0-1.0)
- discernment_capacity - discernment capacity (0.0-1.0)
- # Flow & Ease
- flow - flow state (0.0-1.0)
- creative_flow - creative flow (0.0-1.0)
- effortless - effortlessness (0.0-1.0)
- natural_unfolding - natural unfolding (0.0-1.0)
- # Mystery & Unknown
- mystery_factor - mystery/unknown component (0.0-1.0)
- mystery_appreciation - appreciation of mystery (0.0-1.0)
- divine_mystery - divine mystery component (0.0-1.0)
- uncertainty - uncertainty level (0.0-1.0)
- # Openness & Receptivity
- openness - openness to experience (0.0-1.0)
- receptivity - receptivity to input (0.0-1.0)
- allowing - allowing what is (0.0-1.0)
- # Agency & Power
- agency - sense of agency (0.0-1.0)
- power - personal power (0.0-1.0)
- creative_power - creative power (0.0-1.0)

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TOTAL NEW VARIABLES ADDED: ~900+

- INTEGRATION NOTES:
- 1. All variables use underscore_case for consistency
 - 2. Scores and levels use 0.0-1.0 range unless specified
 - 3. Indexed variables use _i, _j, _k, _n suffixes
 - 4. Rates use _rate suffix
 - 5. Time derivatives use d*/dt notation
 - 6. Greek symbols preserved where used (î", ï\206, ï\211, ï\204, ï\203, î°)
 - 7. Collision-prone symbols use full names (M_maya vs M_manifest)

- IMPLEMENTATION GUIDANCE:
- Store all in flat database schema with underscores
 - Use suffixes for type clarity (_score, _rate, _prob, _strength)
 - Maintain operator disambiguation (existing collision map)
 - Pass full variable context to LLM for calculations
 - Variables are computed by Claude API, never hardcoded in backend

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END OF OOF NOMENCLATURE APPENDIX

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