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)

```
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 × 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_asmita              Asmita (I-am-ness) strength

EGO SUB-COMPONENTS
================================================
Ego_Cleanliness_Attachment      Attachment inverse factor
Ego_Cleanliness_Asmita          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
```

```
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)

```
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

```
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
```

```
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

```
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 × (1 - W) × (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
```

OSAFC Eight Layers

```
OSAFC 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 × Coherence²
network_connected_nodes       N = number of nodes
network_coherence             Coherence factor
network_critical_mass         0.035 × 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       Group_Mind_IQ - Sum(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  √0.3|S2■ amplitude
quantum_superposition_s3_amp  √0.5|S3■ amplitude
quantum_superposition_s4_amp  √0.2|S4■ 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)

```
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)
```

```
=================================================
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        Σ[Realism_i × Weight_i × Fractal_Depth_i]^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
∂/∂t                            Partial derivative with respect to time
∫                               Integral operator
Σ                               Summation operator
∏                               Product operator
√                               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 &amp; 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

1. **Total Variables**: ~1,500 (not 1,109 as originally stated - analysis found more with variations)

2. **Collision Resolution**: All 7 critical collisions (M, S, E, A, C, P, L) MUST use disambiguated names

3. **Greek Symbols**: Keep as-is (Ψ, Φ, θ, ω, κ, ϕ, etc.)

4. **Time Context**: Implicit in most variables, explicit _rate suffix for derivatives

5. **Indexing**: Use A_index_i, B_index_n style, or natural language like coeff_awareness

6. **Database**: Flat structure with underscores, no nested dots

7. **Type System**: Use suffixes (_score, _rate, _level, _prob, _strength, _pct) for clarity

8. **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.