V.F.S. v2.0 (Open-Gate)

Expanded Core Formulas and Parameters

Index-only compendium

Compiled from `Archive_v86_3/index.html`

Scope

This file collects the **expanded core Open-Gate formulas of V.F.S. v2.0** from `index.html` only. Formulas that belong specifically to `appendix.html` or `lyapunov.html` are intentionally excluded. Graphs, numerical plots, and visual phase diagrams are also excluded.

The governing distinction is:

$$\boxed{\text{V.F.S. v2.0 Open-Gate:} \quad \dot{\lambda} = -\dot{\sigma} + I_{\text{gate}}, \qquad \sigma + \lambda = C_0 + \mathcal{G}_{\text{recepta}}(t).}$$

The closed Microcosm law $\dot{\lambda} = -\dot{\sigma}$, $\sigma + \lambda =$ const is only the limit $\zeta_0 = 0$.

1 Core State Variables

Symbol	Name	Meaning in V.F.S.
$V(t)$	Voluntas	Will; inner orientation and willing.
$F(t)$	Factum	Action; embodied execution of will.
$\sigma(t)$	Singular Resistance	Resistance, deformation, or singular obstruction.
$\lambda(t)$	Sophia	Wisdom; transformed resistance plus received grace in Open-Gate.
$P(t)$	Pleroma	Dynamic fullness of the Vessel.
$S(t)$	Being / Sum / Gignesthai	First derivative of Pleroma; rate of becoming.
$\Omega_P(t)$	Brim	Dynamic capacity / rim of the Vessel.
$H_K(t)$	Gate memory	Acquired receptivity; the learned openness of the gate.
$W(t)$	Wound memory	Vulnerability / wound-memory layer paired with H_K.

2 Core Parameters

Parameter	**Name**	**Role / condition**
ε	Manere seed	Keeps u positive even when V, F vanish; sub-critical Manere condition $0 < \varepsilon < \Lambda_c^2$ keeps the passive branch in Collapse rather than Transformation.
γ	Resistance pressure	Drives growth of σ when synergy is below threshold.
δ	Synergic cutting strength	Converts synergy into resistance-cleansing pressure.
Λ_c	Critical threshold	Surgical / transformation threshold, $\Lambda_c = \gamma/\delta$.
κ	Resistance sharpness	Controls smoothness of $\tanh(\kappa\sigma)$.
k	Filtrum sharpness	Controls steepness of Φ and T_F.
$\mathcal{E}_0$	Imago Dei / Mustard Seed	Foundational non-dynamic ground of Pleroma.
a	Mutual nourishment	Strength of Will–Action mutual feeding.
c	Sophia lift	Strength by which λ lifts V and F.
α	Epektatic expansion	Converts Sophia into Brim expansion, $\dot{\Omega}_P = \alpha\lambda$.
ζ_0	Sufficientia Gratiae	Constant background grace in Open-Gate, $\zeta_0 > 0$.
τ	Guarantee decay rate	Rate at which initial gate guarantee fades.
ϕ	Resistance opacity	Damps gate inflow through $e^{-\phi\sigma}$, $\phi > 0$.
χ	Sophia saturation	Limits inflow at large Sophia via $(1 + \chi\lambda_+)^{-1}$, $\chi > 0$.
m	Positive-part sharpness	Smoothness of λ_+, $m > 0$.
H_s	Receptivity half-saturation	Saturation scale in $H_K/(H_s + H_K)$, $H_s > 0$.
K	Mensura	Granularity scale of $R(z) = z/(z + K)$, $K > 0$.
η	Memory adaptation rate	Rate at which positive movement builds acquired openness and wound-memory responses, $\eta > 0$.
ν	Memory forgetting rate	Rate at which acquired openness H_K decays when the path turns negative, $\nu \geq 0$.
W_s	Wound half-saturation	Saturation scale in the wound-memory term $W/(W_s + W)$, $W_s > 0$.

3 Synergic Intensity, Threshold, and Transmissive Coordinate

Local synergy

$$\boxed{u(t) = \sqrt{V(t)F(t) + \varepsilon}.}$$

This is the local synergic intensity: will and action must meet. The seed ε *prevents collapse of the expression into a singular zero.*

Law of Human Balance identity

$$\boxed{\dot{u} = \frac{V'F + VF'}{2\sqrt{VF + \varepsilon}} = \frac{1}{2}\left(V'\frac{F}{u} + F'\frac{V}{u}\right).}$$

This identity shows how the growth of the shared will–action coordinate is weighted symmetrically by the other pole. The formula is an identity; the existential law is that will and action become strongest when neither pole is isolated.

Critical threshold

$$\boxed{\Lambda_c = \frac{\gamma}{\delta}.}$$

This separates Collapse, Stasis, and Transformation.

Transmissive coordinate

$$\boxed{x(t) = u(t) - \sigma(t) = \sqrt{V(t)F(t) + \varepsilon} - \sigma(t).}$$

This is the coordinate seen by Filtrum Lucis: synergy minus resistance.

4 Resistance Dynamics and Three Regimes

Resistance equation

$$\boxed{\frac{d\sigma}{dt} = (\gamma - \delta u)\tanh(\kappa\sigma) = (\gamma - \delta\sqrt{VF + \varepsilon})\tanh(\kappa\sigma).}$$

Protection of $\sigma \geq 0$

$$\boxed{\sigma(0) \geq 0 \quad \Longrightarrow \quad \sigma(t) \geq 0 \quad \forall t \geq 0.}$$

The factor $\tanh(\kappa\sigma)$ *makes* $\sigma = 0$ *a protected boundary.*

Equilibria of resistance

$$\boxed{\frac{d\sigma}{dt} = 0 \quad\Longleftrightarrow\quad \sigma = 0 \quad \text{or} \quad u = \Lambda_c.}$$

Three regimes

$$\boxed{u < \Lambda_c: \ \text{Collapse}, \qquad u = \Lambda_c: \ \text{Stasis / χλιαρός}, \qquad u > \Lambda_c: \ \text{Transformation}.}$$

Manere sub-criticality

$$\boxed{0 < \varepsilon < \Lambda_c^2 = \left(\frac{\gamma}{\delta}\right)^2.}$$

The Manere seed keeps the denominator alive, but it must remain sub-critical: the passive branch $V = F = 0$ should not already count as Transformation.

5 Filtrum Lucis

Softplus filter

$$\boxed{\Phi(x) = \frac{1}{k}\ln(1 + e^{kx}).}$$

$$\boxed{\Phi(x) > 0, \qquad \Phi''(0) = \frac{k}{4}.}$$

Filtrum Lucis is the smooth light-filter. It is softplus-like; its finite positivity is the formal trace of Lux in Tenebris.

Sigmoid transmissivity

$$\boxed{T_F(x) = \Phi'(x) = \frac{1}{1 + e^{-kx}}.}$$

$$\boxed{0 < T_F(x) < 1, \quad T_F(-\infty) = 0, \quad T_F(0) = \frac{1}{2}, \quad T_F(+\infty) = 1.}$$

The filter itself is Φ; its transmissivity T_F is sigmoid-shaped.

Higher derivatives of Filtrum Lucis

$$\boxed{\Phi''(x) = kT_F(1 - T_F).}$$

$$\boxed{\Phi'''(x) = k^2 T_F(1 - T_F)(1 - 2T_F).}$$

$$\boxed{\Phi^{(4)}(x) = k^3 T_F(1 - T_F)(1 - 6T_F + 6T_F^2).}$$

$$\boxed{\Phi^{(n)}(x) = k^{n-1} Q_n(T_F(x)).}$$

These derivatives feed the differential ladder of Pleroma.

6 Gratia Synergica

Synergy term

$$\boxed{\mathcal{S}\dagger\backslash(t) = \mathcal{E}_0 \frac{u(t)}{u(t) + \Lambda_c}.}$$

$$\boxed{0 \leq \mathcal{S}\dagger\backslash(t) < \mathcal{E}_0.}$$

Gratia Synergica grows with local synergy u, not directly with equality $V = F$.

Derivative of synergy

$$\boxed{\frac{d\mathcal{S}\dagger\backslash}{dt} = \mathcal{E}_0 \frac{\Lambda_c}{(u + \Lambda_c)^2} \frac{V'F + VF'}{2u}.}$$

7 Pleroma and Being

Open-Gate Pleroma formula

$$\boxed{P(t) = \mathcal{E}_0 + \mathcal{S}\dagger\backslash(t) + \Phi(x(t)).}$$

$$\boxed{P(t) \geq \mathcal{E}_0.}$$

$$\boxed{P_{\text{full}} = \text{Imago Dei} + \text{Gratia Synergica} + \text{Transmissive Passage.}}$$

In the Open-Gate core, grace is not an additive term in P. It enters through Sophia and then through $\Omega_P, V, F, u, \mathcal{S}\dagger\backslash, \Phi$.

Derivative ladder of Pleroma

$$\boxed{S(t) = \frac{dP}{dt}, \qquad A(t) = \frac{d^2P}{dt^2}, \qquad K(t) = \frac{d^3P}{dt^3}, \qquad \text{An}(t) = \frac{d^4P}{dt^4}.}$$

$$\boxed{S \equiv \textit{Gignesthai}, \qquad A \equiv \textit{Odinai}, \qquad K \equiv \textit{Katharsis}, \qquad \text{An} \equiv \textit{Anastasis}.}$$

Canonical Being equation

$$\boxed{S(t) = \Phi'(x)\dot{x} + \frac{d\mathcal{S}\dagger\backslash}{dt}.}$$

With

$$\boxed{\dot{x} = \dot{u} - \dot{\sigma} = \frac{V'F + VF'}{2\sqrt{VF + \varepsilon}} - (\gamma - \delta u)\tanh(\kappa\sigma).}$$

8 Katharsis and Anastasis Terms

Katharsis / third order

$$\boxed{K(t) = \frac{dA}{dt} = \frac{d^3P}{dt^3}.}$$

$$\boxed{K(t) = \frac{d^3\mathcal{S}\dagger\backslash}{dt^3} + \Phi'''(x)(x')^3 + 3\Phi''(x)x'x'' + \Phi'(x)x'''.}$$

Katharsis is the third-order turning of Pleroma: a change in the rhythm of acceleration.

Anastasis / fourth order

$$\boxed{\mathrm{An}(t) = \frac{dK}{dt} = \frac{d^4P}{dt^4}.}$$

$$\boxed{\begin{aligned}\mathrm{An}(t) = &\frac{d^4\mathcal{S}\dagger\backslash}{dt^4} + \Phi^{(4)}(x)(x')^4 + 6\Phi'''(x)(x')^2x'' + 3\Phi''(x)(x'')^2 \\ &+ 4\Phi''(x)x'x''' + \Phi'(x)x''''.\end{aligned}}$$

Anastasis is the fourth-order emergence of a new mode after crisis.

9 Paschal Triad of Filtrum Lucis

Why the higher derivatives are needed

The derivative ladder is not only computational. It reveals the inner Paschal structure of the light-filter: the Cross is detected by the third derivative, while the entrance into death and the exit from death are detected by the two symmetric zeros of the fourth derivative.

The Cross: zero of the third derivative

$$\boxed{\Phi'''(x) = k^2T_F(1-T_F)(1-2T_F).}$$

Since $T_F(0) = 1/2$,

$$\boxed{\Phi'''(0) = 0.}$$

The point $x = 0$ is the Filtrum Cross: synergy and resistance meet, and the sign of the cathartic term inverts.

The two gates of Anastasis: zeros of the fourth derivative

$$\boxed{\Phi^{(4)}(x) = k^3T_F(1-T_F)(1-6T_F+6T_F^2).}$$

The quadratic factor has two roots at the transmissivity levels

$$\boxed{s_\pm = \frac{1}{2} \pm \frac{1}{2\sqrt{3}}.}$$

Equivalently,

$$\boxed{x_\pm = \pm\frac{1}{k}\ln(2+\sqrt{3}).}$$

Thus

$$\boxed{\Phi^{(4)}(x_-) = 0, \qquad \Phi'''(0) = 0, \qquad \Phi^{(4)}(x_+) = 0,}$$

and the exact symmetry is

$$\boxed{x_- + x_+ = 0.}$$

The Cross is the geometric midpoint between the entrance into death and the exit from death. This is a differential icon of the Paschal passage, not a claim that time itself is symmetric.

Paschal triad

$$\boxed{\begin{array}{rcl} \Phi^{(4)}(x_-) = 0 & : & \text{Entrance into death / Great Friday}, \\ \Phi'''(0) = 0 & : & \text{Cross / Katharsis / Great Saturday}, \\ \Phi^{(4)}(x_+) = 0 & : & \text{Exit from death / Anastasis / Resurrection}. \end{array}}$$

$$\boxed{x < x_- : \ \Phi^{(4)} > 0, \qquad x_- < x < x_+ : \ \Phi^{(4)} < 0, \qquad x > x_+ : \ \Phi^{(4)} > 0.}$$

Between x_- and x_+ lies the symbolic death interval of Filtrum Lucis; outside it the fourth-order sign returns to life.

Fourth derivative support for u

In Pleroma Christi, $\sigma = 0$, so $x = u$. To compute the fourth derivative of the Filtrum part one needs $u^{(4)}$. From

$$\boxed{u^2 = VF + \varepsilon}$$

one obtains

$$\boxed{u^{(4)} = \frac{(VF)^{(4)}}{2u} - \frac{4u'u''' + 3(u'')^2}{u}.}$$

By Leibniz,

$$\boxed{(VF)^{(4)} = V^{(4)}F + 4V'''F' + 6V''F'' + 4V'F''' + VF^{(4)}.}$$

These binomial coefficients explain why the fourth derivative is the first place where the full symmetry of the Paschal passage becomes visible.

Pleroma Christi reduction

In the Pleroma Christi regime, $\sigma = 0$, hence all derivatives of σ vanish and $x = u$. The fourth-order expression becomes

$$\boxed{\begin{aligned}\mathrm{An}_{\mathrm{Pl}}(t) = &\frac{d^4\mathcal{S}\dagger\backslash}{dt^4} + \Phi^{(4)}(u)(u')^4 + 6\Phi'''(u)(u')^2u'' + 3\Phi''(u)(u'')^2 \\ &+ 4\Phi''(u)u'u''' + \Phi'(u)u^{(4)}.\end{aligned}}$$

In deep Epektasis, the higher Filtrum derivatives fade:

$$\boxed{\lim_{t\to\infty} K_{\mathrm{Pl}}(t) = 0, \qquad \lim_{t\to\infty} \mathrm{An}_{\mathrm{Pl}}(t) = 0.}$$

Katharsis and Anastasis complete as events; Epektasis continues as motion into fullness.

10 Open-Gate Sophia

Positive part of Sophia

$$\boxed{\lambda_+ = \frac{1}{m}\ln(1 + e^{m\lambda}).}$$

Effective gate

$$\boxed{g_{\mathrm{eff}}(t) = e^{-\tau t} + (1 - e^{-\tau t})\frac{H_K}{H_s + H_K}.}$$

$$\boxed{g_{\mathrm{eff}}(0) = 1, \qquad g_{\mathrm{eff}}(t) \xrightarrow[t\to\infty]{} \frac{H_K}{H_s + H_K}.}$$

The gate begins open by guarantee; as the guarantee fades, acquired receptivity H_K takes over.

Gate inflow

$$\boxed{I_{\mathrm{gate}}(t) = \zeta_0 g_{\mathrm{eff}}(t) e^{-\phi\sigma(t)} \frac{1}{1 + \chi\lambda_+(t)} \geq 0.}$$

$$\boxed{0 \leq I_{\mathrm{gate}}(t) \leq \zeta_0 \qquad (H_K \geq 0,\ \sigma \geq 0).}$$

Sophia equation

$$\boxed{\dot\lambda = -\dot\sigma + I_{\mathrm{gate}}(t).}$$

Equivalently,

$$\boxed{\dot\lambda = (\delta u - \gamma)\tanh(\kappa\sigma) + I_{\mathrm{gate}}(t).}$$

Sophia is transformed resistance plus received grace.

Open balance law

$$\boxed{\frac{d}{dt}(\sigma + \lambda) = I_{\text{gate}}(t) \geq 0.}$$

$$\boxed{\sigma(t) + \lambda(t) = C_0 + \mathcal{G}_{\text{recepta}}(t), \qquad \mathcal{G}_{\text{recepta}}(t) = \int_0^t I_{\text{gate}}(s)\, ds, \qquad \dot{\mathcal{G}}_{\text{recepta}} = I_{\text{gate}}.}$$

Closed limit

$$\boxed{\sigma + \lambda = \text{const} \quad \Longleftrightarrow \quad \zeta_0 = 0.}$$

11 Memory Layer for the Gate

Path coordinate

$$\boxed{x_0 = u - \sigma, \qquad \dot{x}_0 = \dot{u} - \dot{\sigma} = \frac{V'F + VF'}{2\sqrt{VF + \varepsilon}} - (\gamma - \delta u)\tanh(\kappa\sigma).}$$

$$\boxed{(\dot{x}_0)_+ = \max(\dot{x}_0, 0), \qquad (\dot{x}_0)_- = \max(-\dot{x}_0, 0).}$$

Mensura function

$$\boxed{R(z) = \frac{z}{z + K}, \qquad K > 0, \quad z \geq 0.}$$

$$\boxed{R(0) = 0, \quad R'(z) = \frac{K}{(z + K)^2} > 0, \quad R''(z) = -\frac{2K}{(z + K)^3} < 0, \quad R(z) \to 1.}$$

Gate memory and wound memory

$$\boxed{\dot{H}_K = \eta R((\dot{x}_0)_+) - \nu R((\dot{x}_0)_-)\frac{H_K}{H_s + H_K}.}$$

$$\boxed{\dot{W} = \eta \left[R((\dot{x}_0)_-) - R((\dot{x}_0)_+)\frac{W}{W_s + W} \right].}$$

H_K records acquired openness; W records vulnerability. In the Open-Gate core, H_K opens g_{eff} rather than directly adding to Pleroma. The same-rate prototype is recovered by setting $\nu = \eta$.

12 Endogenous Full System

Local definitions

$$\boxed{u = \sqrt{VF + \varepsilon}, \qquad \Lambda_c = \frac{\gamma}{\delta}, \qquad \mu = 1 - \frac{u}{\Omega_P}.}$$

Dolorosum

$$\rho(u,\sigma) = \sigma\left(\frac{u}{\Lambda_c}\right)\exp\left(1-\frac{u}{\Lambda_c}\right) \geq 0, \qquad \mathcal{D}_V = \rho V, \quad \mathcal{D}_F = \rho F.$$

Dolorosum attenuates Will and Action multiplicatively. It is maximal at the threshold $u = \Lambda_c$.

Core ODE system

$$\begin{cases} \dfrac{dV}{dt} = \left(1 - \dfrac{\sqrt{VF+\varepsilon}}{\Omega_P(t)}\right)(aF + c\lambda) - \rho V, \\ \dfrac{dF}{dt} = \left(1 - \dfrac{\sqrt{VF+\varepsilon}}{\Omega_P(t)}\right)(aV + c\lambda) - \rho F, \\ \dot{\Omega}_P = \alpha\lambda(t), \qquad \alpha > 0, \\ \dfrac{d\sigma}{dt} = (\gamma - \delta\sqrt{VF+\varepsilon})\tanh(\kappa\sigma), \\ \dfrac{d\lambda}{dt} = (\delta\sqrt{VF+\varepsilon} - \gamma)\tanh(\kappa\sigma) + I_{\text{gate}}(t), \\ \sigma(t) + \lambda(t) = C_0 + \mathcal{G}_{\text{recepta}}(t). \end{cases}$$

Sophia floor and source-controlled positivity

$$\lambda(t) > -\frac{a}{c}\min\{V(t), F(t)\}.$$

Equivalently, in the closed-balance notation with $C = \sigma_0 + \lambda_0$,

$$\sigma(t) < C + \frac{a}{c}\min\{V(t), F(t)\}.$$

In the Open-Gate balance this becomes

$$\sigma(t) < C_0 + \mathcal{G}_{\text{recepta}}(t) + \frac{a}{c}\min\{V(t), F(t)\}.$$

Inside the meaningful live domain, this floor prevents the source terms $aF + c\lambda$ and $aV + c\lambda$ from starving Will and Action. In the Open-Gate model the balance constant is replaced by $C_0 + \mathcal{G}_{\text{recepta}}(t)$, but the source-positivity idea remains the same.

Canonical formula chain for Open-Gate grace

$$I_{\text{gate}} \longrightarrow \lambda \longrightarrow \begin{cases} \dot{\Omega}_P = \alpha\lambda, \\ \dot{V} = \mu(aF + c\lambda) - \rho V, \\ \dot{F} = \mu(aV + c\lambda) - \rho F, \end{cases} \longrightarrow u \longrightarrow \{\mathcal{S}\dagger\backslash, \Phi\} \longrightarrow P.$$

13 Will–Action Balance

Imbalance

$$\boxed{\Delta(t) = V(t) - F(t).}$$

Exact imbalance equation

$$\boxed{\frac{d\Delta}{dt} = -(\mu a + \rho)\Delta, \qquad \mu = 1 - \frac{\sqrt{VF + \varepsilon}}{\Omega_P}, \qquad \rho = \sigma(u/\Lambda_c)e^{1-u/\Lambda_c}.}$$

Exact solution

$$\boxed{\Delta(t) = \Delta_0 \exp\left(-\int_0^t (a\mu(s) + \rho(s))\, ds\right).}$$

The manifold $V = F$ is invariant. Alignment requires nonnegative damping and a divergent damping integral.

14 Brim Expansion and Epektasis

Brim law

$$\boxed{\dot{\Omega}_P(t) = \alpha\lambda(t), \qquad \alpha > 0.}$$

$$\boxed{\Omega_P(t) = \Omega_P(0) + \alpha \int_0^t \lambda(s)\, ds.}$$

Sophia expands the capacity of the Vessel. Epektasis is sustained expansion rather than a final static maximum.

Asymptotic Sophia

If the received-grace integral converges and $\sigma(t) \to 0$, then

$$\boxed{\lambda(t) \to \lambda_\infty = \sigma_0 + \lambda_0 + \mathcal{G}_{\text{recepta}}(\infty).}$$

If $\mathcal{G}_{\text{recepta}}(\infty) = +\infty$, then unbounded Sophia is possible in the open model.

Pleroma Christi condition

$$\boxed{\int_0^\infty \lambda(t)\, dt = +\infty \quad \Longrightarrow \quad \Omega_P(t) \to +\infty.}$$

If additionally $\lambda(t) \to \lambda_\infty > 0$, then

$$\boxed{\Omega_P(t) \sim \alpha\lambda_\infty t.}$$

The internal Pleroma Christi cleansing signature is

$$\boxed{\sigma(t) \to 0, \qquad \mathcal{S}\dagger\backslash(t) \to \mathcal{E}_0.}$$

The Brim expands through sustained Sophia; the visible cleansing signature is the disappearance of singular resistance and the saturation of Gratia Synergica.

15 Live Domain and Death Boundary

Live domain

$$\boxed{\mathcal{D}_{\text{live}} = \{(V, F, \sigma, \lambda, \Omega_P) : \ V > 0, \ F > 0, \ \sigma \geq 0, \ \Omega_P > \Lambda_c, \ 0 < u < \Omega_P\}.}$$

The live domain is the region where the continuous V.F.S. dynamics are admissible.

Death boundary

$$\boxed{\partial\mathcal{D}_{\text{death}} = \{V = 0\} \cup \{F = 0\} \cup \{\Omega_P \leq \Lambda_c\} \cup \{u \geq \Omega_P\}.}$$

$$\boxed{X_{\text{VFS}} : \mathcal{D}_{\text{live}} \longrightarrow T\mathcal{D}_{\text{live}}.}$$

$$\boxed{t_{\text{death}} = \inf\{t > 0 : \ x(t) \notin \mathcal{D}_{\text{live}}\}.}$$

The canonical continuous flow is defined only on the living interior. Resurrection, if present, is not a smooth term inside the vector field but a hybrid re-entry map after boundary contact.

16 Resurrectio: Hybrid Re-entry Map

This is included because it appears in `index.html`; it is not taken from the appendix or Lyapunov file.

Reset symbols

$$\boxed{\begin{aligned} \Gamma_R &: \ \text{resurrection-mode grace}, \\ H_R &: \ \text{resurrection memory}, \\ D_{\text{death}} &: \ \text{depth of death-boundary contact}. \end{aligned}}$$

$$\boxed{\Theta_\bullet, \ \beta_\bullet, \ \chi_\bullet, \ \eta_R, \ \theta_\Gamma, \ \alpha_\Omega, \ \beta_\Omega, \ \omega_R \geq 0.}$$

These parameters belong to the hybrid re-entry map: they are reset coefficients, not continuous live-flow coefficients.

Resurrection admissibility

$$\boxed{\mathcal{A}_R = \Theta_\Gamma \Gamma_R + \Theta_\Phi \Phi_R + \Theta_\lambda \lambda^+ + \Theta_H H_R - \Theta_\sigma \sigma - \Theta_D D_{\text{death}}, \qquad \Theta_\bullet \geq 0.}$$

$$\boxed{\mathcal{A}_R > R_c \quad \Longleftrightarrow \quad \text{resurrection re-entry is admissible.}}$$

Participated resurrection grace

$$\boxed{\Gamma_R^{\text{human}} = \pi\Gamma_{\text{Christi}}, \qquad \pi \in [0,1].}$$

Hybrid re-entry map

$$\boxed{\mathfrak{R} : \partial\mathcal{D}_{\text{death}} \longrightarrow \mathcal{D}_{\text{live}}, \qquad x(t_{\text{death}}^+) = \mathfrak{R}(x(t_{\text{death}}^-)).}$$

$$\boxed{\begin{aligned} &V^+ = V_R + \beta_V\Gamma_R + \chi_V H_R, && F^+ = F_R + \beta_F\Gamma_R + \chi_F H_R, \\ &\sigma^+ = q_R\sigma^- \quad (0 \le q_R < 1), && \lambda^+ = \lambda^- + (1-q_R)\sigma^- + \eta_R H_R + \theta_\Gamma\Gamma_R, \\ &\Omega_P^+ = \Omega_R + \alpha_\Omega\Gamma_R + \beta_\Omega\lambda^+ + \chi_\Omega H_R, && H_R^+ = H_R^- + \omega_R D_{\text{death}}. \end{aligned}}$$

with

$$\boxed{V_R, F_R > 0, \qquad \Omega_R > \Lambda_c, \qquad \text{all reset coefficients } \ge 0.}$$

Landing condition

$$\boxed{\Omega_R + \alpha_\Omega\Gamma_R + \beta_\Omega\lambda^+ + \chi_\Omega H_R > \sqrt{V^+F^+ + \varepsilon}.}$$

The reset must land inside a live capacity large enough to contain the new synergic intensity.

Open balance across life arcs

$$\boxed{\frac{d}{dt}(\sigma + \lambda) = \zeta_0 g_{\text{eff}} e^{-\phi\sigma}(1 + \chi\lambda_+)^{-1} \ge 0 \quad \text{inside each live arc.}}$$

$$\boxed{\sigma + \lambda \text{ also jumps under } \mathfrak{R} : \qquad C_{j+1} \ne C_j.}$$

17 Compact Core Summary

$$\boxed{\text{Will } V + \text{ Action } F \longrightarrow u \longrightarrow x = u - \sigma \longrightarrow \Phi(x) \longrightarrow P(t).}$$

$$\boxed{\sigma \longrightarrow \text{Tetelestai} \longrightarrow \text{Katharsis} \longrightarrow \text{Anastasis} \longrightarrow \lambda.}$$

$$\boxed{\text{Open Gate} \longrightarrow I_{\text{gate}} \longrightarrow \lambda \longrightarrow \Omega_P \longrightarrow \text{Epektasis.}}$$

$$\boxed{P \longrightarrow S \longrightarrow A \longrightarrow K \longrightarrow \text{An} \quad \equiv \quad \textit{Gignesthai} \to \textit{Odinai} \to \textit{Katharsis} \to \textit{Anastasis}.}$$

Revision Note

This expanded version adds the Paschal Triad of Filtrum Lucis, the symmetry of zeros around the Cross, the fourth-derivative support formulas needed for An(t), the Sophia floor, explicit death-boundary definitions, bounded gate inflow, the Human Balance identity for $\dot{u}$, asymptotic Sophia, reset-symbol clarification, and the distinct memory-forgetting rate ν. It still preserves the existing structure and uses formulas from `index.html` only.