

V.F.S. 4.7 - conclusions, in plain words

Witness at the threshold: what can be read, what can cross, and where memory must come from

The headings are the formal conclusions of V.F.S. 4.7; under each is a short plain-words explanation. The chip on the right marks the logical status of each.

The Reader may witness, but cannot act.

Axiom

Reading adds no term to the state equations and alters no reset or junction law. A Reader reports what is there; a theory in which observation changes the Vessel would be a different theory.

One clock can cross Resurrectio without breaking.

Reader Rule

The coordinate Θ_R is continuous through the canonical reset and moves strictly in one direction wherever Sophia stays positive. It lets the Reader order observations across Resurrectio without pretending that every regime supplies a universal physical clock.

The folding sign is not a fact a Reader may name.

Theorem

The fields q_{fold} and $-q_{\text{fold}}$ are the same global Z_2 gauge choice. A Reader may report folding amplitude and the unlabelled phase partition, but not treat an absolute $+$ or $-$ label as physical information.

The reduced interface forgets real information.

Theorem

Brim, form memory, received grace, and gauge-invariant folding amplitude are not all present in the reduced projection, yet the frozen junction can certify them. Extra-interface reading is therefore genuinely nontrivial.

The certified scalar Reader has a four-coordinate core.

Theorem

Its finite certified block is $(\Omega_P, \lambda_{\text{form}}, G_{\text{recepta}}, Q_{\text{Sigma}}[q_{\text{fold}}])$. This is not everything a realized state may reveal; it is the part the frozen interface can transport without an extra selection law.

Two lives can look the same to the reduced interface and still differ to the Reader.

Theorem

At the same Reader time, exact scalar continuations can share the same reduced triple yet differ in Brim or form memory. A ledger gap is enough to separate them, but another exact construction shows that such a gap is not necessary.

Will and act can trade places without becoming the same thing.

Theorem

The dwell equations are symmetric under $V \leftrightarrow F$, so the certified scalar Reader is blind to that swap. But V and F remain labelled coordinates of the Vessel: symmetry of the dynamics is not gauge identity.

Gate memory can be seen even when it cannot be carried canonically.

Reading of the Scope

The realized values H_K and W may be read directly on a state. What frozen 3.6 lacks is a unique law transporting their realized value through Resurrectio. Visibility and certified continuity are different questions.

Gate-memory certification is a quotient problem.

Theorem

A selection-independent gate-memory quantity exists exactly when the realized output support splits into more than one overlap class generated by outcomes that one event can leave simultaneously possible. The issue is the geometry of the relation, not merely whether an output exists.

More realizability does not decide what memory means.

Theorem

Even if every admissible positive event is required to have an outcome, the present gate-memory constraints can still realize every partition of the support. More events do not select a canonical memory certificate.

Reflexivity makes selection-free reading into conservation - without choosing the answer.

Constitutive Decision

4.7 adopts a typed realized positive-event domain and J_6 reflexivity: the incoming gate-memory state remains one admissible output. On that sector, selection-independent reading is the same as conservation, while the overlap quotient itself remains free.

Smooth life carries no nontrivial universal gate-memory invariant.

Theorem

Forward and backward transmission preserve different combinations. For the frozen parameter set both local directions are available throughout the interior and are transverse, forcing every universal dwell invariant on the whole nonnegative gate-memory quadrant to be constant - with no continuity or differentiability assumption.

If memory crosses Resurrectio, the crossing itself must carry it.

Canonical Boundary

Because smooth dwell motion supplies no nonconstant universal invariant, a nontrivial gate-memory certificate cannot be inherited merely from ordinary life. It must come from the junction relation, or from a weaker canonical restriction on it; frozen 3.6 deliberately leaves that structure unselected.

The Reader may witness what crosses, but cannot make it cross.

Reading of the Scope

4.7 does not say gate memory is invisible, and it does not prove that no memory survives. It says that survival across Resurrectio is not created by observation: the Reader can recognize continuity only after Vessel-side structure makes it real.