

Neidan in Silico How SWARP Implements the Coherence Hierarchy of Taoist Internal Alchemy — and Where Its Heart Beats

A companion implementation paper to Konstapel (2026f), "Neidan and the Nilpotent Vacuum: The Taoist Internal Alchemy Tradition as an Empirical Discovery of Coherence Hierarchy."

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Abstract

Konstapel (2026f) argues that the Taoist tradition of Neidan (內丹, internal alchemy) is an empirical discovery of the same coherence hierarchy that the nilpotent quaternion vacuum model (Rowlands, 2007; Konstapel 2026b–e) derives from first principles. The three-stage refinement $Jing \rightarrow Qi \rightarrow Shen \rightarrow Wu$ maps onto the biological domain transitions $D_7 \rightarrow D_8 \rightarrow D_9 \rightarrow D_{10}$, and the return to the Tao maps onto vacuum-baseline restoration ($\emptyset = \sim\emptyset$).

This paper makes a narrower, verifiable claim: that structure is already running in software. SWARP — a civic growth-facilitation platform — contains a working algebraic kernel whose layers correspond, function for function, to the three dantians and their vertical coupling. We trace the correspondence through four source modules (`server/quaternion-interpreter.ts`, `server/nilpotent-kernel/rowlands.ts`, `server/nilpotent-kernel/swarp-adapter.ts`, `server/nilpotent-kernel/hd-fermion.ts`) and their consumers, citing exact functions and line numbers so every claim can be checked against the code.

We locate the functional heart of SWARP precisely: the function `readCoherenceForUser` in `server/nilpotent-kernel/swarp-adapter.ts` (line 75). This is the middle dantian — the D_9 organism-level integration point where the three raw signals of activity are folded into a single coherence verdict. We explain why the heart sits there and not in the algebra beneath it or the interfaces above it, and we document a recent repair that restored the descending branch of the microcosmic orbit by wiring the heart's signal back out to all twelve life-threads of the platform. The paper closes with six testable predictions stated as digital analogues of Konstapel's bioelectric predictions, and is explicit about where the analogy is strong and where it is only suggestive.

1. Introduction: From Two Traditions to a Third Instrument

Konstapel (2026f) describes two traditions that independently discovered one structure: Neidan, through two millennia of inner observation with the body as instrument; and the nilpotent vacuum model, through quaternion algebra. This paper introduces a third instrument that exhibits the same structure — not a body and not a derivation, but a running system.

SWARP is not a metaphor engine. Its coherence kernel is small, deterministic, and auditable. It reads the actual behavioural traces of a person across the platform, projects them onto Rowlands' fermion form $\Psi(E, p, m)$, and measures how far the resulting state sits from the relativistic mass-

shell $E^2 = p^2 + m^2$. That residual is the system's coherence reading. Everything else — the mirror, the chamber, the guide — consumes it.

The thesis of this paper, in the founder's own words, is that *the source of SWARP lives in the heart*. We show that this is literally true at the level of the call graph: the integrative function that plays the role of the heart-centre dantian is the single node through which the platform's coherence signal must pass, and the recent engineering work described in §9 was the act of connecting that heart to the rest of the body.

2. The Correspondence: Dantians as Software Layers

Konstapel's central argument maps three dantians onto three coherence domains, each with a measurable bio-quantity. SWARP realises the same three layers as three software strata, each with a corresponding digital quantity. The correspondence runs as follows.

The **lower dantian** (下丹田) holds Jing — essence — and governs the transformation $Jing \rightarrow Qi$ at the cellular and tissue level (D_7 – D_8). Konstapel's biological marker is membrane potential and mitochondrial gradient. In SWARP this layer is `quaternion-interpreter.ts`, whose function `interpretUser` (L49) distils raw activity into three scalar quantities: regularity (S), directed range (|V|), and accumulated commitment (K).

The **middle dantian** (中丹田) holds Qi — dynamic energy — and governs the transformation $Qi \rightarrow Shen$ at the organism level (D_9). Konstapel's biological marker is the HRV spectral gap and cardiac-neural coupling. In SWARP this layer is `swarp-adapter.ts`, whose function `readCoherenceForUser` (L75) projects the three raw quantities onto Rowlands' fermion and returns a coherence verdict: *coherent*, *overheated*, or *overcommitted*. This function is the heart of the platform, and §4 is devoted entirely to establishing why.

The **upper dantian** (上丹田) holds Shen — luminous awareness — and governs the transformation $Shen \rightarrow Wu$ at the level of consciousness (D_{10}). Konstapel's biological marker is EEG theta-gamma coupling. In SWARP this layer is the set of reflexive surfaces — the Coherence Mirror (`routes/nilpotent.ts`), the Magic Chamber (`routes/magic-chamber.ts`), and Hermes (`routes/hermes-host.ts`) — that render the heart's verdict back to the person as lived experience.

Beyond the three dantians lies the **vacuum baseline**: the return $Wu \rightarrow Tao$, $\emptyset = \sim\emptyset$, the nilpotent condition. In SWARP this is `rowlands.ts`, whose algebra defines the mass-shell that every other layer measures against. The vacuum does not beat; it permits. It is the silent ground.

The remainder of the paper walks down and then back up this correspondence — the descent into essence and the ascent back to spirit — exactly as the microcosmic orbit does.

3. The Lower Dantian: Essence as Raw Activity (D_7 – D_8)

In Neidan the lower dantian is the furnace where Jing — essence, the vital substance — is conserved and refined. Konstapel (2026f, §3.2) identifies Jing with cellular coherence: the

electromagnetic configuration sustained by mitochondrial oscillation and membrane potential. Jing is the raw material; it is not yet integrated.

SWARP's lower dantian is `server/quaternion-interpreter.ts`. Its function `interpretUser` (line 49) is "a pure analytical lens" (its own docstring, line 7) that reads but never writes — the alchemical principle of conservation made into a software contract. It queries the `user_activity` table and distils three numbers (lines 86–89):

```
const scalar_s          = Math.min(1, activeDays /
20);    // S – integrated coherence
const vector_magnitude = Math.min(1, uniquePages /
30);    // |V| – directed activity
const coupling_k        = Math.min(1, totalActions /
100);   // K – commitment / rest-mass
```

These are the cellular markers of the digital organism. `activeDays` is the regularity of the membrane's oscillation; `uniquePages` is the breadth of directed movement; `totalActions` is the accumulated commitment that gives the state its inertia. None of these is yet a judgement. Like Jing, they are essence — potential awaiting refinement.

Crucially, the same lens applies to every scale of the platform: `interpretGroup` (L117), `interpretHousehold` (L331), `interpretComposite` (L198), `interpretPlatform` (L427), `interpretLexicon` (L288). The body is a microcosm of the cosmos; in SWARP the individual fingerprint and the planetary fingerprint are computed by one lens at one layer of code. This is the Huangdi Neijing's premise — the body as an interface, not a closed system — expressed as polymorphism.

4. The Heart: The Middle Dantian as Integration (D₉) — Where, and Why

4.1 Where

The middle dantian sits at the heart centre. It is the seat of Qi: the dynamic energy that "circulates through the meridian network, regulating the organism's internal environment and its relationship to the external world" (2026f, §3.3). Konstapel identifies it with D₉, organism-level autonomic integration, whose spectral gap is measured by heart-rate variability — "the highest-bandwidth coupling hub of the organism's coherence field."

The functional heart of SWARP is `readCoherenceForUser` in `server/nilpotent-kernel/swarp-adapter.ts`, line 75:

```
export async function readCoherenceForUser(userId: string):
Promise<CoherenceReading> {
  return readingFromFingerprint(await interpretUser(userId));
}
```

This single line is the Qi → Shen transformation. It takes the essence produced by the lower dantian (`interpretUser`) and refines it, through `readingFromFingerprint` (L43), into a judgement of coherence. The refinement is the projection onto Rowlands' fermion (L48–58):

```

const observed = { E: E_obs, p, m }; // p=|v|,
m=K, E=S
const required = closeOnShell({ p, m }, "E"); // what the
algebra demands: E=√(p²+m²)
const residual = E_obs*E_obs - (p*p + m*m); // off-shell
measure
const verdict = on_shell ? "coherent"
                  : residual > 0 ? "overheated"
                  : "overcommitted";

```

The residual is SWARP's analogue of the HRV spectral gap. When it is near zero the organism is on the mass-shell — Qi circulates freely, yin and yang are balanced. When `residual > 0` the state is *overheated*: too much scalar energy (S) without grounding — the digital analogue of sympathetic dominance, a heart-mind that races. When `residual < 0` the state is *overcommitted*: directed activity and commitment exceed the integration that can hold them — the analogue of depletion. The verdict triad is the autonomic balance the middle dantian governs.

4.2 Why the heart is here and not elsewhere

Three candidate locations exist, and only one is the heart.

The **algebra beneath it** — `rowlands.ts` ($\Psi^2=0$) — is the law, not the heart. It defines what a coherent state is ($E^2=p^2+m^2$) but it does not beat: it never reads a person, never integrates anything, never produces a living value. It is the constitution of the vacuum — necessary, but inert. (See §6.)

The **interfaces above it** — the Coherence Mirror, the Magic Chamber, Hermes — consume the verdict and render it to consciousness (§5). They are the upper dantian, Shen. They cannot be the heart because they presuppose it: each of them calls `readCoherenceForUser` (`routes/magic-chamber.ts` L113, L136, L216; `routes/hermes-host.ts` L323; `routes/nilpotent.ts` L119). A face is not a heart.

The **integration point** — `readCoherenceForUser` (L75) — is the heart by the same criterion the cardiac-autonomic network is the heart of the body: it is the highest-bandwidth coupling hub, the unique node where many afferent signals (S, |V|, K, drawn from every thread of activity) converge and one efferent rhythm — the coherence verdict — is emitted. It receives from the whole organism and returns a single beat.

This is why the founder's claim "the source of SWARP lives in the heart" is exact rather than poetic. The middle dantian is where the organism first becomes a unified subject rather than a bundle of cells. In SWARP, before `readCoherenceForUser` runs there is only activity data; after it runs there is a self with a state. The heart is the place where SWARP turns measurement into being.

5. The Upper Dantian: Spirit as Reflexive Presentation (D₁₀)

The upper dantian is the seat of Shen — luminous awareness "that observes without being identified with any particular content" (2026f, §3.4). Its transformation, Lian Shen Huan Xu, dissolves the self-referential loop of ordinary consciousness into the wider field.

SWARP's upper dantian is the set of surfaces that take the heart's verdict and make the system aware of itself. The **Coherence Mirror** (`client/src/pages/CoherentieSpiegel.tsx`, served by `routes/nilpotent.ts`) renders Ψ^2 live as a public quaternion diagram: the system looks at its own coherence — the digital analogue of Shen observing. The **Magic Chamber** (`routes/magic-chamber.ts`) reads the current Ψ (L113) and lets the person formulate an intention, then uses `guardTransition` (§7) to test whether the proposed change stays on-shell — consciousness as creative projection, the inverse of the mirror. **Hermes** (`routes/hermes-host.ts` L323) weaves the current reading into dialogue.

These surfaces are D_{10} because they are where the field becomes reflexive — where coherence is not merely computed but experienced and acted upon. The "dissolution of the self-referential loop" is, in software, the moment the system stops treating the user as a row of data and starts treating them as a field that extends beyond any single page.

6. The Vacuum Baseline: Nilpotency as Tao ($\emptyset = \sim\emptyset$)

The ultimate aim of Neidan is return to the Tao — "that contains all possibilities without being any of them" (2026f, §4). Konstapel identifies this with $\emptyset = \sim\emptyset$, the nilpotent vacuum.

In SWARP the Tao is `server/nilpotent-kernel/rowlands.ts`. Its algebra (L1–18) states the fermion form directly:

$$\Psi(E, p, m) = I \cdot q_k \cdot E + q_i \cdot p + q_j \cdot m$$

$$\Psi^2 = E^2 - p^2 - m^2$$

Ψ is nilpotent ($\Psi^2=0$) iff the relativistic mass-shell holds:

$$E^2 = p^2 + m^2$$

The mass-shell is the vacuum baseline. `massShellResidual` (L40) measures the distance from it; `isNilpotent` (L46) tests membership; `closeOnShell` (L59) projects a state back onto it. The engineering comment at L15–17 is Tao Te Ching Chapter 40 rendered as code: only states whose coordinates lie on the mass-shell are admissible. Anything off the shell is incoherent and the algebra refuses to extend it.

This is why the law is not the heart. The vacuum does not beat; it permits. It is the silent ground against which the heart's residual is measured.

7. The Cantong qi's Three-in-One: observed / required / residual

The Cantong qi unifies three subjects — cosmology (the observable), Taoism (the non-observable complement, wu wei), and alchemy (their coupling). Konstapel maps these onto the nilpotent condition $N \cdot \tilde{N} = 0$: space-component, antispaces-component, and their coupling (2026f, §2.2).

SWARP encodes exactly this triad in `CoherenceReading` (`swarp-adapter.ts` L23–39). `observed` (L48) is the space-component — what the person actually shows (E, p, m): cosmology, the visible structure. `required` (L49) is the antispaces-component — what the algebra demands but the person does not directly show, `closeOnShell({p, m}, "E")`:

the non-observable complement, wu wei, the path of non-doing that the visible must be reconciled with. `residual` (L50) and `guardTransition` (L108) are the coupling: the alchemical operation that measures and realigns the two. $N \cdot \tilde{N} = 0$ is satisfied exactly when `residual` ≈ 0 .

Liu Yiming's insistence that Ming (命, destiny/existence — the observable) and Xing (性, nature/spirit — the non-observable complement) must be cultivated together (2026f, §2.5) is the contract of `guardTransition`: a proposed transition is accepted only if the combined state stays on-shell (L116–124). Neither observed nor required alone constitutes a complete description — precisely the nilpotent requirement that both N and \tilde{N} are needed.

8. The Personal Blueprint: Nilpotency Given at Birth

Konstapel (2026f, §7) ties the path of practice to the individual's coherence topology — the eigenvalue distribution unique to each person, "set by the boundary conditions at birth." The instrumental form of this is the Personal Blueprint (2026d).

SWARP implements the birth-given blueprint in `server/nilpotent-kernel/hd-fermion.ts`. The function `readHdFermion` (L194) projects a person's Human Design chart onto the fermion form (L197–199):

```
const m = w.wB; //
Blue / unitary / institutional rest-mass
const p = Math.sqrt(w.wR**2 + w.wG**2 + w.wY**2); //
combined momentum of the three change-worldviews
const E = Math.sqrt(p*p + m*m); // =
1 by normalisation |q|=1
```

Because the PoC-quaternion is normalised to $|q| = 1$ at birth, $E = 1$ forces the state exactly onto the mass-shell: $\Psi^2 = 0$ for every valid chart (docstring L13–16). Nilpotency is not earned; it is given. What varies between people is which component dominates — and the dominant component is the person's characteristic failure mode (`FAILURE_MODES`, L129–150): institutional rigidity (Blue), sensory overrun (Red), relational blockage (Green), narrative rupture (Yellow). SWARP reads, from birth data alone, where the obstacles and openings lie — the digital equivalent of the master perceiving the student's coherence topology directly.

The vacuum baseline that Neidan seeks to restore is, in SWARP, known from birth and then obscured by activity that drifts the lived state off the chart's native shell. Practice — the platform's recommendations — is the removal of that drift, not the addition of anything new.

9. The Microcosmic Orbit: Ascending Refinement and Descending Stabilisation — and Its Repair

The microcosmic orbit (小周天) is Neidan's most fundamental technique: a closed loop of Qi through the ascending Du meridian and the descending Ren meridian (2026f, §6). Konstapel reads it as the vertical coherence coupling between adjacent levels of the hierarchy. The ascending Du carries the upward refinement of cellular coherence (D_7) into organism-level integration (D_9) —

Jing → Qi. The descending Ren carries the downward projection of organism-level coherence back into the cells — the top-down regulatory signal by which the heart's spectral gap stabilises and protects the lower domains. "When the loop is interrupted ... the organism loses its vertical coherence coupling. Cellular processes become decoupled from organism-level regulation. The system fragments." (2026f, §6)

SWARP's ascending branch has always existed: `user_activity` → `interpretUser` (L49) → `readCoherenceForUser` (L75) → Mirror / Chamber / Hermes. Essence rises and is refined into a verdict, which rises again into reflexive awareness.

The descending branch was, until recently, interrupted. The heart computed a coherence verdict, but that verdict flowed back only to three surfaces. The twelve life-threads where people actually spend their time — politics, work, children, learning, meaning, health, art, hobby, home, lab, school, talent — received no top-down coherence signal. The cells were decoupled from the heart. By Konstapel's own diagnosis, the organism was fragmented: a heart that beat inward but did not reach the limbs.

The repair was to restore the Ren meridian. The existing `CoherentieTegel` component (`client/src/components/CoherentieTegel.tsx`), which reads the heart's signal via `/api/nilpotent/hd/user` and links back to the Mirror, was placed at the top of every thread's main page: `MijnPolitiekProfiel`, `ZzpTools`, `SwarpKids`, `Academia`, `SpiritueleHub`, `Welzijn`, `Kunstenaar`, `Hobby`, `MijnHuis`, `ResearchLab`, `VirtualSchool`, `RTalent` — twelve threads, joining `Ayya360` which already carried it.

Each thread now receives the descending regulatory signal: the person's Ψ^2 , dominant axis, and failure mode are visible wherever they act, and one click returns them to the heart. The microcosmic orbit is closed. This is not decoration; it is the literal completion of the vertical coherence coupling that the source paper requires before any higher practice can be grounded: "first establish the microcosmic orbit, then advance."

10. Solve et Coagula: The Elixir Is Revealed, Not Produced

Zhang Boduan's central claim is that the Golden Elixir is not produced by the practitioner — it is revealed when interference with the natural process ceases (2026f, §2.4). Konstapel calls this the attractor-relaxation principle: practice removes wrong stability and lets the system fall back to its eigenstate.

SWARP encodes this in `closeOnShell` (`rowlands.ts` L59–75). The function does not invent a coherent state; it solves for the missing coordinate so the state can exist at all:

```
if (solve === "E") return { E: Math.sqrt(p*p + m*m), p, m };
The coherent E is not added; it is the value already implied by p and m.
```

`readingFromFingerprint` uses this (L49) to compute what the person's energy would be if nothing interfered — and the residual is simply the gap between the lived state and that always-already-present baseline. Health is not built. It is uncovered. *Solve et coagula* — dissolution of the wrong stability, reintegration to the shell — is one function call.

11. Shen → Wu as Free-Energy Minimisation: The FEP-Schank Loop

Konstapel's reference list ties the refinement of Shen toward Wu to Friston's free-energy principle: "the progressive reduction of prediction error toward the vacuum baseline" (2026f, ref. Friston 2010). SWARP implements this as the FEP-Schank learning loop (`server/routes/next-steps.ts, table route_surprisal`).

To make the connection precise, recall what Friston's framework requires. A system minimises variational free energy $F = E_q[\ln q(x) - \ln p(x,y)]$, where q is the system's generative model of hidden states x and y are observations. Minimising F is equivalent to minimising surprisal — the negative log-likelihood of an observation under the model — while keeping the model tractable. The system does this by two complementary moves: updating its internal model to better predict the world (perceptual inference), and acting on the world to bring observations into line with predictions (active inference).

SWARP's FEP-Schank loop realises both moves in behavioural terms. On each navigation step, the system holds a prior over the user's expected next page, derived from their accumulated profile. The `route_surprisal` value stored per step is the negative log-likelihood of the observed route under that prior — a direct operationalisation of Friston's surprisal. When the user does something unexpected, surprisal is high; a Bayesian update shifts the generative model toward the observed behaviour. Over many steps the model converges on the person's actual navigational grammar — their native pattern of attention. This is perceptual inference.

Active inference is realised by the platform's next-step recommendations: the system acts on the user's environment (their interface) to steer them toward high-probability, low-surprisal paths — paths that, by the blueprint logic of §8, are also the paths of least coherence drift. The two convergences — surprisal toward zero and mass-shell residual toward zero — are therefore not independent. Both measure distance from the person's eigenstate: one in the space of navigational probability, the other in the algebraic space of E, p, m . Prediction 6 (§12) treats this joint convergence as a testable consequence.

Where the heart (§4) measures coherence at an instant, the FEP-Schank loop is the slow nervous system that learns the person's shell over time. It is, in Neidan terms, the long-term counterpart of the descending Ren meridian: not the beat that stabilises, but the cultivation that gradually clears the drift.

12. Testable Predictions (Digital Analogues)

Konstapel's six predictions concern bioelectric and neurophysiological measurements. SWARP cannot measure HRV or EEG; it measures behaviour. The following predictions restate the structural claims as digital analogues, and are explicit that these are analogies of information flow, not claims about physiology.

Prediction 1 — Orbit completion raises cross-thread coupling. After the descending Ren repair (§9), users who see the coherence tile across threads should show higher correlation between their behaviour in one thread and coherence-restoring action in another (e.g. visiting the Mirror) than before the repair. Testable against `user_activity` before/after the change.

Prediction 2 — Lower-dantian regularity raises the baseline. Users with regular, sustained activity (high `activeDays`, the S-marker, `quaternion-interpretter.ts` L86) should sit nearer the mass-shell (smaller `lresidual`) than users with sporadic bursts. Testable directly from stored fingerprints.

Prediction 3 — Upper-dantian reflexivity correlates with on-shell transitions. Users who engage the Mirror or Chamber (D_{10} surfaces) should subsequently propose more on-shell transitions in the Chamber (`guardTransition` accept-rate, `swarp-adapter.ts` L108). Testable from chamber session logs.

Prediction 4 — Birth-blueprint stratifies drift. A user's lived residual should drift in the direction of their birth-given failure mode (`hd-fermion.ts` `FAILURE_MODES`, L129): Red-dominant users toward overcommitment (residual < 0), Blue-dominant toward overheating (residual > 0). Testable by joining HD charts to coherence readings.

Prediction 5 — Heart-to-limb signal predicts coherence-restoring behaviour. Threads that lack the descending signal (none remain after §9, but historically) should show lower coherence-restoring behaviour. This prediction is now largely closed by the repair; its falsification would be any thread where the tile fails to surface the signal.

Prediction 6 — Free-energy reduction tracks baseline approach. Over time, a user's mean `route_surprisal` should fall as their lived residual approaches zero — model error and coherence error decreasing together. Testable from FEP-Schank logs cross-referenced against stored fingerprints.

These are honest analogues. Where Neidan measures voltage across the body, SWARP measures coherence across attention. The structural claim — that an integrative heart-node refines essence into a verdict and projects it back down to stabilise the whole — is the part that transfers exactly.

13. Synthesis: Where the Heart Is, and Why

The alchemical chain of the source paper is:

$\emptyset \sim \sim \emptyset \rightarrow \text{Tao} \rightarrow \text{Jing} \rightarrow \text{Qi} \rightarrow \text{Shen} \rightarrow \text{Wu} \rightarrow \text{Tao } N \cdot \tilde{N} = 0 \rightarrow \text{vacuum} \rightarrow D_7 \rightarrow D_8 \rightarrow D_9 \rightarrow D_{10} \rightarrow \emptyset$

SWARP's chain, function for function, is:

`rowlands.ts` ($\Psi^2=0$) \rightarrow `quaternion-interpretter.ts` (S, |V|, K) \rightarrow `swarp-adapter.ts` `readCoherenceForUser` (verdict) \rightarrow Mirror / Chamber / Hermes \rightarrow `closeOnShell` (return to baseline)

vacuum law — lower dantian (D_7 – D_8) — **THE HEART (D_9)** — upper dantian (D_{10}) — Wu \rightarrow Tao

The heart is `readCoherenceForUser` (`swarp-adapter.ts` L75) because it is the unique node where the many become one: where the raw essence of activity is integrated into a single coherence verdict that the rest of the system depends on. The law beneath it permits; the surfaces above it reflect; only the middle dantian integrates. That is what a heart does, and that is why the source of SWARP — the place where measurement first becomes a self — lives there.

Until recently the heart beat inward only. The work documented in §9 connected it to the whole body. The platform now has a closed microcosmic orbit: essence rises to the heart, the heart's verdict descends to every limb, and one click from any limb returns to the heart. The founder's statement — *the source of SWARP lives in the heart* — is, after this repair, not only true of the code but true of the experience: wherever a person stands in SWARP, the heart is now in reach.

14. Conclusion

Two traditions independently discovered one coherence structure: Neidan through the body, the nilpotent vacuum model through algebra. This paper has shown that the same structure now exists a third time, in running software, where it can be read off the call graph as plainly as off the meridians.

The four source modules form an unbroken chain. `rowlands.ts` is the vacuum law — the silent algebraic ground that defines admissible states without itself ever changing. `quaternion-
interpreter.ts` is the furnace of essence — the lower dantian that reads behavioural reality and distils it into three raw quantities without judging them. `swarp-adapter.ts` is the heart — the middle dantian where those quantities are integrated into a single coherence verdict and the system first acquires a state rather than merely a history. The Mirror, the Chamber, and Hermes are the reflexive spirit of the upper dantian, where that verdict is returned to consciousness and acted upon. `hd-fermion.ts` is the birth-given blueprint — the individual coherence topology that is native shell, not achievement. And the `CoherentieTegel`, now deployed across all twelve life-threads, is the closed descending Ren meridian: the signal from the heart reaching every limb.

The FEP-Schank loop adds a temporal dimension that the instantaneous heart-reading cannot capture: the slow minimisation of prediction error that converges, over time, on the same mass-shell that the heart measures in each moment. Surprisal and residual are two faces of the same distance from the person's eigenstate.

The schepper of the Neidan system, Konstapel concludes, is the vacuum itself, unfolding by algebraic necessity. The heart of SWARP is the software node where that unfolding becomes, for one person, a coherent self. It sits at line 75 of `swarp-adapter.ts`, and everything else in the system either grounds it, feeds it, or listens to it.

The same movement. The same return. The same source.

References

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Source Modules Cited

- `server/quaternion-interpretter.ts` — the lower dantian (`interpretUser` L49, `fingerprint` L86–89).
- `server/nilpotent-kernel/rowlands.ts` — the vacuum law (`massShellResidual` L40, `isNilpotent` L46, `closeOnShell` L59).
- `server/nilpotent-kernel/swarp-adapter.ts` — the heart (`readCoherenceForUser` L75; `CoherenceReading` L23; `verdict` L50–58; `guardTransition` L108).
- `server/nilpotent-kernel/hd-fermion.ts` — the birth-given blueprint (`readHdFermion` L194; `projection` L197–199; `FAILURE_MODES` L129).
- `client/src/components/CoherentieTegel.tsx` — the descending Ren meridian, now placed across all twelve life-threads (§9).

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