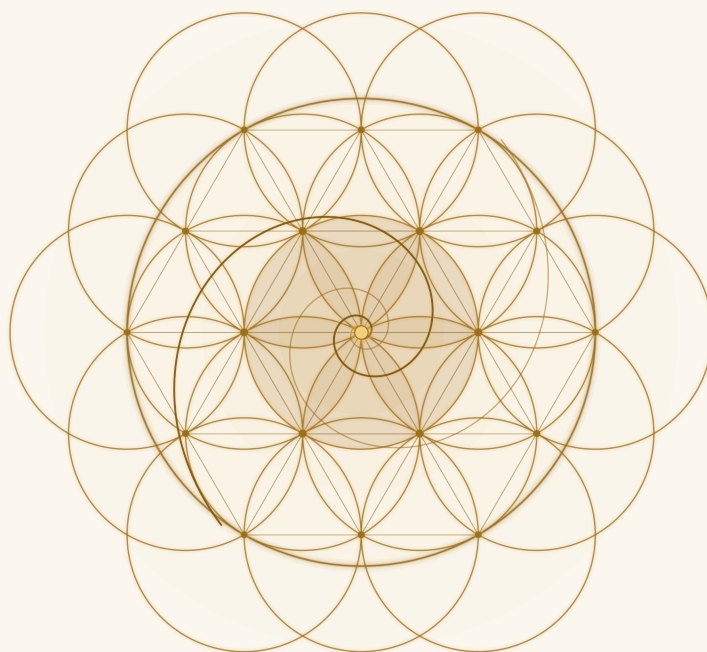




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The Scalar Flower Instrument

A Frame-Invariant Sky-State Geometry and Its Pre-Registered Null Corpus

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with computational collaboration by Claude (Anthropic) and the Hermes agent

Open-Core Edition · v2.1 · July 2026
scalarflower.com

Reproducibility first. Every structural claim in this paper is independently checkable – the frame-invariance theorem is a short, dependency-free verifier anyone can run, and an open verification repository (verifier, pre-registrations, null-corpus analyses, and caught-artifact reproductions) is in preparation for public release. We ask for verification, not trust.

Abstract

Astrology has never resolved its own foundations. Every reading in the traditional canon depends on conventions — a house system, a zodiac origin, an ayanamsa — that different schools choose differently and none can justify from first principles. A system whose answer changes when you change an arbitrary convention has, in a precise sense, no answer.

The Scalar Flower Instrument was built to dissolve that problem, and it has since become something its first edition did not anticipate: **the most heavily null-tested astrological research program on record**. This edition reports both halves of that work honestly.

On the geometry side, we present a formalism in which the structurally meaningful quantities of a chart are provably invariant under every house system, both the tropical and sidereal zodiac, and every ayanamsa value. From a single wave-superposition construction anchored on the lunar nodal axis follow a frame-invariance theorem, an ayanamsa-cancellation lemma, and an anchor-dependence theorem that isolates the one quantity that does track a A rank analysis over thousands of real-ephemeris charts fixes a chart's intrinsic content at exactly **N-1 independent inter-body invariants — the anchor-free structural layer — plus one nodal-direction invariant and a separate declination block** (about fourteen numbers for the seven classical bodies used as the worked example; the instrument itself computes on ten). Since the first edition, two further coordinates — the daily rotational phase and birth latitude — have been validated as genuinely independent axes, making the sky-state a fully confirmed **three-degree-of-freedom object (a 2-torus × latitude interval)**.

On the empirical side, we report what happened when the validated geometry was aimed at people. Across a cleaned Gauquelin subset of **21,165 timed births**, six consecutive pre-registered tests — each gated by a synthetic positive control the analysis pipeline was required to recover before any real cohort was examined — returned **decisive, powered nulls or confounds**. No sky-state coordinate, singly or jointly, carries occupational or eminence content beyond season and demography. We report these nulls not as a failure but as the point: they are the falsifiable spine that distinguishes an instrument from a belief.

We are explicit about the boundary between the two registers, and the boundary is load-bearing. **The geometry is a theorem — exact and frame-invariant. The interpretive reading is a contemplative lens, offered as correspondence, never**

asserted as a predictive forecast or a physical mechanism. This open-core edition states the theorems, the corpus, and their consequences; the explicit field kernel, the hub and phi-metric computations, the winding and chorus algorithms, and the calibration constants are reserved. Crucially, **none of the reserved machinery is required to verify any claim made here** — the reserved kernel is provably irrelevant to the invariance result, and the verifier demonstrates exactly that.

1 · The Frame-Dependence Problem

A natal chart, as traditionally cast, is a list of house placements. But “which house” a planet occupies depends on the house system (Placidus, Koch, Whole-Sign, Equal, and a dozen others disagree), and “which sign” depends on whether one reads the tropical or sidereal zodiac and, if sidereal, on which ayanamsa — the Lahiri, Raman, Krishnamurti, and Fagan–Bradley values differ by degrees.

These are not small disagreements at the margins. They are choices of coordinate origin, and they change the answer. Two competent astrologers casting the same birth can place the Sun in different houses and different signs. **Any system that changes its answer when you change an arbitrary convention has, in a precise sense, no answer.**

This is the problem the Scalar Flower formalism was built to dissolve — not by declaring one convention correct, but by constructing quantities that do not depend on the convention at all.

2 · The Chart as an Interference Field

The instrument does not partition the sky into houses. It treats the chart as a **field**. Each body contributes a wave; the bodies superpose. The resulting interference pattern is read structurally — where it constructively reinforces, where it cancels, how it winds. The instrument operates on the ten classical bodies of the natal chart (Sun through Pluto), each entering the field solely through its angle to the lunar nodal axis.

Two distinct things make the field convention-free, and they are worth separating. First, the structural quantities (hub, winding, chorus) are built as **rotational invariants** — a modulus of a phasor sum, and angles measured relative to the field's own resultant. A rotational invariant is unchanged by adding a constant to every longitude, so it is identical across every zodiac, ayanamsa, and house convention *regardless of anchor*; the verifier confirms this directly (the hub is invariant even against an unrelated random anchor, to $\sim 1 \times 10^{-14}$). The nodal anchor is *not* what makes these quantities convention-free — their construction as rotational invariants is. Second, the directional quantity, the **aim**, has no meaning without a chosen reference direction, and for that the lunar nodal axis is the natural choice: the chart's own dynamically-defined axis rather than an imposed zodiac origin. The aim is therefore the one quantity that legitimately depends on the anchor — exactly what Theorem 3 states, and what the verifier confirms (a north/south re-anchor flips the aim by exactly a half-turn).

From the field we read four quantities:

- **hub** – the field's central coherence magnitude
- **winding** – its topological circulation
- **chorus** – the set of bodies in constructive alignment
- **aim** – a directional quantity, treated separately because it alone tracks a convention

On the words “scalar” and “wave.”

*We use these as mathematical terms. “Wave” names the phasor – a unit complex number on the circle; “scalar” names a frame-invariant magnitude read off their superposition. **We are not claiming a physical scalar field or a literal emission from the planets.** We tested those literal readings ourselves and falsified them: in Tests 12 and 15 the planetary periods proved less commensurable than chance, and the physical emission magnitudes sat below every plausible relevance floor. So the physics reading is not merely unclaimed – it is one we ruled out on our own data. The vocabulary is retained because it is the correct mathematical description of a phasor interference pattern, nothing more.*

3 · The Theorems

The structural quantities are not asserted to be invariant; it is proven, and the proofs are checkable by recomputation.

Invariance is an engineered guarantee, not a surprise. Theorem 1 is **not** a startling empirical discovery that the sky happens to be convention-free. It is a property we designed in, by anchoring every body to the lunar nodal axis so that each enters only through the relative angle (body – node). Once you make that anchoring choice, invariance follows by construction – a global convention offset cancels identically. The theorem's value is therefore a **design guarantee**: it certifies that the instrument reports the same structural answer regardless of the house/zodiac/ayanamsa war that has divided astrology for centuries.

Name	Statement
Theorem 1 – Frame Invariance	The hub, winding, and chorus are bit-identical under every choice of house system, under both the tropical and sidereal zodiac, and under every ayanamsa value.
Lemma 2 – Ayanamsa Cancellation	A constant zodiac-frame offset Δ cancels in every relative angle, because each body enters only through (body – node), and (body + Δ) – (node + Δ) = (body – node).
Theorem 3 – Anchor Dependence of the Aim	Only the aim depends on whether the north or south nodal end is used as the directional anchor; the hub, winding, and chorus survive re-anchoring unchanged.

The theorems are independently verifiable: recompute any chart under different conventions and confirm the structural quantities do not move. The verifier proves invariance holds for **both** a plain unit-phaser sum **and** an arbitrary nonuniform amplitude weighting, which establishes that the reserved amplitude kernel is *irrelevant* to the invariance claim. Invariance is a property of the reference frame, not of the weighting; you do not need the reserved machinery to check it.

3.1 · The Sky-State Is a Three-Degree-of-Freedom Object

The first edition described the chart's internal invariants. Subsequent work established the coordinate geometry of the sky-state itself, and promoted it to validated [REAL] status through pre-registered independence tests.

- **Test 30** established that the annual solar phase ϖ_{sun} and the daily rotational phase ϖ_{rot} are genuinely independent – no seasonal-by-diurnal confound – making their joint space a validated **2-torus**.
- **Test 32A** tested birth latitude ϖ for independence from both phases (circular-linear correlation and normalized mutual information against a permutation null). All couplings fell far below the pre-registered thresholds ($r_{\text{cl}} = 0.024$ and 0.018 vs. 0.10 ; normalized MI = 0.0017 and 0.0023 vs. 0.02). The only

coupling is the definitional $\square\square$ Ascendant self-term. **Verdict: INDEPENDENT – promotion [ARCH] $\square$ [REAL].**

The sky-state model is therefore a validated three-object – **the 2-torus ($\square_{\text{sun}} \times \square_{\text{rot}}$) $\times$ the latitude interval** – carrying three genuine degrees of freedom. This is a mathematical result about the coordinate geometry, entirely separate from any claim about human meaning (which §7 shows is absent).

***These tests validate the pipeline, not the sky.** Three degrees of freedom for a sky-state is obvious from spherical astronomy – and it is. What these pre-registered independence tests actually establish is that **our measuring pipeline correctly recovers the known answer.** This is instrument calibration against ground truth. A pipeline that failed to reproduce a known astronomical fact could not be trusted to report a null on an unknown one – so these tests are the precondition that makes the null corpus credible, not a separate discovery in their own right.*

4 · How Many Numbers Is a Chart?

A chart's longitudinal content splits into two parts. The **structural (anchor-free) layer** — the mutual, inter-body angular arrangement — carries exactly **N-1 independent invariants**, no more; this is what Test 13 measured (the sin/cos embedding of the inter-body separations has numerical rank exactly $2 \cdot (N-1)$ on thousands of real-ephemeris charts), and it is what hub, winding, and chorus are built from. The lunar nodal axis then contributes exactly **one further independent invariant**: the field's direction relative to the node — the quantity the aim reads and the one Theorem 3 isolates. This is not redundant with the inter-body layer: because the nodal axis precesses on its own 18.6-year cycle, two charts with identical hub, winding, and chorus can carry any aim whatsoever (direct computation gives a linear $R^2 \approx 0.004$ between node-relative direction and inter-body structure). So the intrinsic longitudinal content of a node-anchored chart is **N, not N-1**: (N-1) inter-body invariants plus one nodal direction.

For the seven classical bodies taken as the dimensionality worked example, this is **six inter-body invariants + one nodal-direction invariant + up to seven declination amplitudes — about fourteen independent numbers, not the thirty-five** one might naively count. (The running instrument computes on ten bodies, Sun through Pluto; the N-1 result holds for any N, and the seven-body case is used here only because it is the classical, hand-checkable one.)

This result has a clean geometric portrait: the regular simplex on N vertices (the tetrahedron, and its 4-D analog the 5-cell) is an object of N points carrying N-1 intrinsic degrees of freedom. The observed coordinates are a projection; the invariants are what survives it. The hypertetrahedron is thus the honest picture of the minimal basis — an illustration of a confirmed result, not an extra hidden dimension added to the sky. (The 5-cell's $\sqrt{5}$ normalization is a denominator, not the golden ratio.)

*On “Flower of Life” and sacred-geometry motifs. The project's name and some of its illustrations borrow the Flower-of-Life figure, and we are aware this reads as esoteric. We are explicit about its status: **it is an [ARCH] illustration only — a way to draw the hexagonal packing of the field — and it carries no privileged constant and no empirical weight.** We tested for exactly the thing sacred-geometry reasoning would predict (a special generating constant — ϕ , a Fibonacci ratio, a distinguished small integer) and **found none**. The only privileged constant anywhere in the validated layer is the obliquity of the ecliptic, $\epsilon = 23.4392911^\circ$. If the motif offends a reader's sense of rigor, it can be deleted with zero effect on any [REAL] result.*

5 · Methods: The Membrane

The program's credibility rests on a single discipline, applied to every claim in the corpus. We call it the **membrane**, and every statement is tagged with exactly one of three tiers:

Tier	Meaning
[REAL]	Validated geometry or data — a theorem, a measured quantity, a reproduced statistic. Checkable.
[ARCH]	Structural naming — astronomy only. A defensible way to <i>describe</i> the geometry, licensed by structure, not by human data.
[INTERP]	Human meaning. Quarantined by default. Available as a contemplative lens, promotable <i>only</i> by an independent, pre-registered, positive-control-gated test.

The membrane's governing rule is stated once and never relaxed: **no [INTERP] claim has ever been promoted by any test in this program.** A beautiful idea does not cross from [ARCH] to [REAL], or from [INTERP] to anything, because it is elegant. It crosses only by surviving a fair test that was designed — before any data were seen — with the power to reject it.

Two locked disciplines

- **Pre-registration.** Criteria, thresholds, null models, and verdict rules are committed to file before computation. A null only counts if the bar it failed to clear was set in advance.
- **Positive-control gating.** Before any real cohort is examined, the pipeline must first *recover* a synthetic signal planted in surrogate data. A null is only “powered” — only decisive — if the same pipeline demonstrably could have found a real effect of that size.

6 · What the Geometry Confirmed

Before the human-meaning tests, several pure-geometry questions were resolved. These are the [REAL]/[ARCH] wins that define the instrument's legitimate structure.

- **Divisibility of the zodiac (Test 25) and the daily cycle (Test 28).** A model comparison over $N \in \{1, \dots, 24\}$ plus a continuous limit returned **CONTINUOUS PREFERRED** in both cases — the honest form of each cycle is a smooth loop, and the traditional twelvefold is an imposed, lossy sampling. The one defensible finite cut is the **cardinal cross of four**, which appears at the elbow of the curve (capturing 81.5% of the zodiac's field with four bins). Filed [ARCH] — licensed by the elbow, explicitly not by the model-selection score.

- **The rotational cardinal cross (Test 28).** The four traditional angles (Ascendant, Midheaven, Descendant, IC) fall out exactly as the rotational cycle's cardinal cross, placing them at exactly 45° with magnitude exactly $1/\sqrt{2}$.
- **The cross-quarter near-coincidence (Test 33).** The geometry's balance points sit at $\alpha = 46.64^\circ$, while the traditional cross-quarter is at exactly 45.00° . They differ by **+1.64° (~1.7 days)** – the gap is real and is reported rather than rounded away.

7 · The Null Corpus

This is the heart of the edition. When the validated geometry was aimed at people, it was aimed with the full membrane discipline — pre-registered, positive-control-gated, confound-preserving — and the result was a wall of decisive nulls. **All human-facing tests use a cleaned Gauquelin subset of 21,165 timed births** with verified time, longitude, latitude, and country.

***Why the Gauquelin data, and why nulls are the honest headline.** First — the dataset is adversarial by choice. The Gauquelin corpus is famous, contested, and heavily mined for weak astrological effects. We picked it because it is the **hardest, most scrutinized ground on which to look**. Returning decisive nulls here is far stronger evidence of discipline than returning nulls on convenient data. Second — our nulls converge with mainstream expectation, and that is the point. When the Scalar Flower pipeline — the same pipeline that recovers planted signals at hundreds of sigma — is pointed at occupation and eminence under a fixed gate, it correctly reports nothing. An instrument that cannot return a null is not measuring anything.*

Test	Question	Gate	Verdict
24	Do eminent cohorts cluster at a preferred solar phase?	Passed ($p < 0.001$)	NULL (decisive). Smallest $p = 0.018$ vs. locked Bonferroni gate 0.005.
26	Do the discrete regime classifiers track eminence?	Passed	DECISIVE POWERED NULL on all three arms. Closest cell $p = 0.030$.
27	Does Test 26's one warm cell survive the vertical breath?	—	SEAM DISSOLVES. 0 of 4 explorations coherent.
29	Do the four angles carry occupational content?	Passed	POWERED NULL.
31	Does the joint 2-torus carry occupational content (XOR-style)?	289.7 $\square$; planted XOR recovered at 1,132 $\square$	DECISIVE POWERED NULL. 0 of 16 statistics past Bonferroni; sport least significant at $p = 0.94$.
32B	Does birth latitude carry occupational content?	113.7 $\square$	DEMOGRAPHIC CONFOUND (no astronomical content). Within country $\times$ latitude-decile collapsed every cohort to null (physician $p = 0.95$).

Synthesis. Tests 24, 26, 27, 29, 31, and 32B constitute six consecutive powered nulls or confounds of a sky-state coordinate against human outcomes. The geometry is a fully validated three-degree-of-freedom object; its coupling to human occupation and eminence is **empirically absent** under pre-registered, positive-control-gated, confound-preserving analysis. This is the Gauquelin graveyard confirmed to depth, by a

pipeline proven able to find real signals of the size sought.

7.1 · Statistical power — the minimum detectable effect

A positive control recovered at hundreds of sigma proves the pipeline runs; it does not by itself state the smallest real effect the locked gate could detect. The relevant scale is the historical Gauquelin “Mars effect” — a claimed enrichment of order five percentage points in a key sector for the relevant cohort. Computed from the actual cohort sizes (one-proportion test on a near-uniform 30° phase bin, baseline 1/12, two-sided gate $p < 0.005$ –0.01, 90% power):

Cohort	N	+5pp Mars-scale shift	Min. detectable @ 90% power
scientist	1,175	6.2 □	3.3 pp
sportsperson	2,331	8.7 □	2.3 pp
physician	3,354	10.5 □	2.0 pp
military	3,816	11.2 □	1.8 pp

A Gauquelin-scale enrichment would register at roughly six sigma in the smallest cohort and above ten in the largest, against the locked gates; the minimum detectable at 90% power is 1.8–3.3 percentage points. The observed cohorts showed nothing approaching this — smallest real $p = 0.018$ (Test 24), 0.030 (Test 26), and the sport cohort, the Mars-effect heartland, was the least significant of all ($p = 0.94$, Test 31). This is why the nulls are reported as *powered*: we would have seen it, and it is not there.

One registered-vs-executed deviation is recorded here in full, not smoothed. In Test 24, the pre-registration specified a date-shuffle null; the executed analysis used a within-birth-month phase permutation (the stronger seasonal control — month histogram identical, KS $p = 1.0$); verdict unaffected. And Test 24's Arm 3 (limb correlation) is **UNRESOLVED (degenerate), not NULL**: with near-constant variance there is nothing to correlate against, and the degenerate $p = 0.000$ is quarantined as an artifact by the locked degeneracy rule. Cohort counts also drift slightly between tests as the inclusion rule matured (e.g. sportsperson 2,331□1,894 in Test 31); the pooled 21,165 is fixed throughout, and every cohort remains decisively null under either count.

8 · The Catch Is the Result

The strongest evidence that this program is honest is not any positive claim — it is the record of the program catching its *own* false positives before any verdict was written. In each case below, a pre-committed anchor or control exposed an artifact that a less disciplined analysis would have announced as a discovery.

1. **The rank-35 angle-folding artifact (Test 13).** A linear rank tool on angular separations folded into $[0^\circ, 180^\circ]$ reported too high a rank; a pre-committed control identified it as an artifact of the nonlinear fold, and a faithful sin/cos embedding collapsed the rank to exactly the $N-1$ bound predicted in advance.

2. **The 0.32° lunar-inclination windowing trap (Test 19).** Averaging over an 80-year window reported the Moon's inclination as 0.32° (true $\sim 5.14^\circ$), because the node precesses through its full 18.6-year cycle. Per-orbit averaging recovered 5.16° .

3. **The developable-hexagon floating-point mirage (Test 20).** An apparent “81.8% negative-curvature closure” was floating-point noise ($\max |K| \approx 1.4 \times 10^{-14}$) on a surface whose curvature is identically zero. Reported UNRESOLVED, not forced.

4. **The within-country latitude false candidate (Test 32B).** A locked control at insufficient spatial resolution flagged six of seven cohorts; the pre-registered finer stratification correctly nullified it.

5. **The failed altitude instrument (Test 28).** A pre-registered latitude-invariance gate FAILED as specified ($\cos \theta$ inside the arcsine); the instrument was replaced mid-test with an observer-free pure-rotation invariant that passed exactly ($\text{value}^2 + \text{velocity}^2 = 1$ to 1.1×10^{-14}). Both the failure and the fix are on the record.

A standing guard runs through all of these: **no privileged constant is admitted as a generator.** No golden ratio, no Fibonacci, no clean small-integer resonance appears in any validated basis. The only privileged constant is the obliquity of the ecliptic, $\theta = 23.4392911^\circ$.

9 · Population Calibration

The formalism was calibrated against a population of approximately 290,000 births to establish normative distributions of each structural quantity. This locates an individual chart as a **percentile** within humanity — a ruler, not an oracle. The calibration says where a chart sits relative to the population; it does not, and is not claimed to, forecast anything about the person.

We note for completeness that the hub's population shape has itself been tested against external theory: Test 23 laid the hub over a realistic birth population (8,000 charts, 1930–2010, seasonal weighting) and found it a near-symmetric hump that a Gaussian describes decisively better than Sungchul Ji's Planckian Distribution Equation. The hub is a bounded resultant, not a long-tailed thermodynamic spectrum. This is recorded as a bounded [ARCH] result, not a bridge to any physical mechanism.

10 · What the Instrument Does — and Does Not — Claim

The Scalar Flower keeps a hard line between two registers, and the line is the point.

The geometry is a theorem.

It is exact, frame-invariant, and checkable. The invariance, the N-1 dimensionality, the three-degree-of-freedom sky-state, the cardinal-cross elbows — these are mathematical and astronomical facts, tagged [REAL] or [ARCH], each reproducible from the cited engines.

The reading is a contemplative lens.

It is offered in the tradition of free-will astrology — a slope, not a track. It does not predict personality, biography, or destiny, and it cannot be falsified because it never claims to forecast. Where the instrument's predictive claims *were* made falsifiable and tested, they did not survive: across six pre-registered, powered tests, no sky-state coordinate carried human content beyond season and demography.

The mathematical sense is proven; the interpretive sense is offered; the physical sense is held as hypothesis. Keeping those three apart in the same document is not a caveat we tolerate — it is the instrument's defining discipline.

11 · The Disclosure Boundary

This is an open-core edition. The boundary is drawn so that every *claim* in this paper can be independently verified while the *constructions* that generate the quantities remain intact.

Disclosed: the theorems and their proofs by recomputation; the $N-1$ + declination dimensionality; the three-degree-of-freedom sky-state and its independence tests; the full null corpus with samples, thresholds, gates, and verdicts; the membrane method; the caught-artifact record.

Reserved for later disclosure: the explicit per-body wave amplitude function, phase kernel, and superposition rule; the closed-form hub computation; the ϕ family of metrics; the winding and chorus extraction algorithms; the calibration constants, normative distribution parameters, and percentile mappings.

We state what is true and demonstrate that it is checkable, without handing over the machine.

12 · Membrane Ledger (on exit)

Claim	Tier	Status
Hub, winding, chorus bit-identical across house / zodiac / ayanamsa	[REAL]	Theorem 1
Ayanamsa offset cancels in every relative angle	[REAL]	Lemma 2
Only the aim depends on nodal-end anchor	[REAL]	Theorem 3
A chart carries (N-1) inter-body + 1 nodal invariant + declination block	[REAL]	Test 13
$\square_{\text{sun}} \square_{\text{rot}}$ (2-torus)	[REAL]	Test 30
Latitude an independent third axis	[REAL]	Test 32A — promoted
Zodiac & daily cycle prefer a continuous loop	[REAL]	Tests 25, 28
Cardinal cross of four is the distinguished finite cut	[ARCH]	Tests 25, 28 — by elbow
Balance points are the honest analog of cross-quarter days	[ARCH]	Test 33 — ~1.7 days off
No privileged constant ($\square$ / Fibonacci) generates any basis	[REAL]	standing guard
Eminent cohorts cluster at a preferred solar phase	[INTERP]	REJECTED — Test 24
Regime classifiers track eminence	[INTERP]	REJECTED — Test 26
The sport / building-half seam is a real signal	[INTERP]	REJECTED — Test 27
The four angles carry occupational content	[INTERP]	REJECTED — Test 29
The joint 2-torus carries occupational content	[INTERP]	REJECTED — Test 31
Birth latitude carries occupational content	[INTERP]	REJECTED — Test 32B
The reading forecasts personality / biography / destiny	[INTERP]	not claimed; falsified versions

No [INTERP] claim has been promoted by any test in this program.

13 · Reproducibility

The strongest answer to “how do I know this is real?” is: **run it yourself**. This edition **will be accompanied by an open verification repository** — currently in preparation for public release — whose only purpose is to let a skeptic confirm the structural claims by recomputation. The description below states what that repository contains and what it deliberately omits.

The invariance verifier.

`invariance_check.py` is a short, dependency-free Python script (standard library only) that recomputes the hub, winding, and chorus for thousands of random charts under the tropical zodiac and every major sidereal ayanamsa (Lahiri, Raman, Fagan-Bradley, Krishnamurti) plus arbitrary global offsets, and checks that:

- the relative-angle representation is **bit-identical (0 ULP)** across every convention — Theorem 1, demonstrated exactly on an integer angle grid;
- **winding** (an integer) and **chorus** (a set) are exactly equal across conventions;
- the **hub** agrees to 0 ULP, reported honestly as a ULP distance;
- invariance holds for **both** a plain unit-phaser sum **and** an arbitrary nonuniform amplitude weighting — proving the reserved amplitude kernel is irrelevant to the claim;
- the **aim** *does* change under a north/south nodal re-anchor — Theorem 3, confirmed on every trial.

A representative run performs 140,000 cross-convention comparisons and reports PASS at 0 ULP with exit code 0. The script prints a hand-checkable worked example so the arithmetic can be followed by eye.

What else will accompany the release.

Alongside the verifier, the repository **will publish** the pre-registrations prepared to date — Tests 19, 20, 23, 24, 25, 26, 27, 28, 31, and 33, with the remainder to follow — each fixing hypothesis, gate, and positive control before results. Their ordering relative to results is author-attested for the completed tests and, on release, cryptographically timestamped (OpenTimestamps); the release will be hash-anchored (MANIFEST.sha256) so that no file can be silently edited after publication. Also to be published: the null-corpus analyses with their positive-control gates, and reproductions of the caught artifacts the program discarded. Each will be released under the MIT license. The raw Gauquelin birth data is governed by its own terms and will not be redistributed; a cleaning script and a source pointer will accompany the analyses so a third party who legitimately obtains the data can reproduce the numbers.

The invitation is adversarial. The most useful thing a critic can do is not argue but try to make the verifier fail — add an unlisted convention offset, run new seeds, or check that a caught artifact was genuinely an artifact — and report it. That is what “offered for verification, not for trust” means in practice.

Appendix A · Response to Critiques

This appendix answers the strongest objections to the program directly, in the form a fair critic would state them.

A1. “The reserved constructions make the 'proven by recomputation' claim un-auditable.”

This was correct about the previous presentation and is the objection we took most seriously. It is now removed: the invariance verifier (§13) proves Theorem 1 by recomputation using only the standard phasor form, independently of the reserved amplitude kernel. The claim is no longer “trust us”; it is “run this.”

A2. “The invariance is definitional, not revelatory.”

Agreed, and we now say so plainly (§3). Invariance is an **engineered design guarantee**, not a discovery. Its worth is not novelty but function: it certifies the same structural answer regardless of house/zodiac/ayanamsa choices. We claim the engineering, not a miracle.

A3. “A 3-DOF sky-state is obvious from spherical astronomy.”

Correct, and reframed accordingly (§3.1). The independence tests are **pipeline validation against known ground truth**, not discoveries — the precondition that makes the null corpus credible.

A4. “The Gauquelin data is contested, and nulls there are expected.”

Both true, and both are now stated as features (§7). We chose the contested dataset because it is the hardest ground, and our nulls **converge with mainstream skeptical expectation** rather than contradicting it.

A5. “‘Scalar’ and ‘wave’ evoke physics but function as metaphor.”

We bound them explicitly (§2): they are mathematical terms for a phasor interference pattern. More than that, we *falsified the literal physical readings ourselves* (Tests 12, 15). We are the ones who ruled the physics out.

A6. “The Flower-of-Life framing is esoteric reasoning.”

The motif is an [ARCH] illustration with no privileged constant and no empirical weight (§4). We tested for the special generating constant sacred geometry would predict and found none. It can be deleted with zero effect on any [REAL] result.

A7. “The author's other work undermines the science.”

We do not ask this to be resolved by argument or reputation. Every load-bearing claim is offered for **independent verification** — runnable code and pre-registered, reproducible artifacts (published on release). The correct response to an ad hominem is an audit trail. Check the work, not the résumé.

A8. “Open-core framing sits alongside commercial elements, so 'open' is marketing.”

The open layer is **real and being prepared for public release**: a licensed repository with a running verifier and the full pre-registration and artifact record. The boundary is falsifiable by design — once the repository is published, if any claim secretly depended on a reserved constant, the verifier could not reproduce it and you could catch us. That falsifiability is the point, and it does not depend on any commercial product's existence.

What we do not concede. The program's disciplines — the pre-registered null corpus, positive-control gating, the membrane's [REAL]/[ARCH]/[INTERP] quarantine, the standing refusal to promote any [INTERP] claim, and the documented record of caught false positives — are, taken together, more rigorous than the norm in this field. The appropriate criticism of the Scalar Flower is not that it is credulous; it is, if anything, that it holds astrology to a standard most of astrology never attempts. We accept that criticism gladly.

· Scalar Flower Astrology · scalarflower.com

An astronomically-grounded, free-will astrological instrument in the tradition of Edgar Cayce. The geometry is computed exactly from ephemeris data; the readings are a contemplative framework, offered as correspondence, not asserted as physical mechanism.

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