

Planetary Time Equalization and the Double-Strand Synchronisation Principle

*Why All Planets Run on the Same Tau Clock: H-Bond Tension, the d^2
Cancellation, and the Geometric Origin of the Ecliptic*

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Force of Time Research

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ABSTRACT

All major planetary bodies satisfy the same $N \cdot \pi \cdot 86400$ temporal law regardless of their individual orbital periods. The Force of Time (FOT) framework explains this as a consequence of the double-strand Tau geometry of the solar system: a matter-domain helix (Strand 1, carrying the planetary nodes) is coupled to an anti-dimensional helix (Strand 2) through H-bond tension transmitted by the Sun. This coupling synchronises all Strand 1 planetary nodes to a single global Tau time -- time equalization. The foundational mechanism (P-TEQ-1 to P-TEQ-6) establishes H-bond tension as the synchronisation agent, derives the straight-line projection theorem (P-TEQ-2/3), and identifies the ecliptic flatness as the geometric signature of double-strand structure. The deeper geometric proof (P-TEQ-7 to P-TEQ-12) shows that the d^2 cancellation is exact: the inverse-square dilution $[1/(4 \cdot \pi \cdot d^2)]$ is cancelled by each node growing Tau-sphere surface area $[4 \cdot \pi \cdot d^2]$, so every planetary register receives identical total Tau from the Sun. H-bond tension is the transmission mechanism, not the cause. The same cancellation operates in B-DNA, confirming scale-invariance.

Proposition	Statement	Status
P-TEQ-1	All planets satisfy $N \cdot \pi \cdot 86400$ temporal law regardless of orbital period; universal Tau-clock synchronisation across six orders of magnitude	STRUCTURAL
P-TEQ-2	Straight-line projection theorem: each planet projects its Tau-phase onto the ecliptic plane as a straight line; geometry of Strand 1 helix	STRUCTURAL
P-TEQ-4	Ecliptic flatness is the geometric signature of double-strand structure; not a dynamical accident but a necessary consequence of Strand 2 coupling	STRUCTURAL
P-TEQ-7	d^2 cancellation: $1/(4 \cdot \pi \cdot d^2) \times 4 \cdot \pi \cdot d^2 = 1$ exactly; every planet receives identical total Tau flux regardless of orbital radius	EXACT
P-TEQ-10	H-bond tension (Strand 2) is the transmission mechanism not the cause of equalization; d^2 cancels geometrically before tension acts	STRUCTURAL
P-TEQ-12	Same d^2 cancellation operates in B-DNA where constant helix radius r replaces d ; confirms scale-invariance of the equalization principle	CROSS-DOMAIN

1. Introduction

The solar system presents a striking regularity: across six orders of magnitude in orbital period and five in orbital radius, all major planetary bodies satisfy the same temporal relationship to π and 86400 (the number of seconds in one Earth day). This is the $N \cdot \pi \cdot 86400$ law of the Force of Time framework, established across Sections 6 and 28-33 of the FOT Master Theory. The existence of a single timing law spanning Mercury (orbital period 88 days) to Saturn (10,759 days) implies that the solar system does not consist of independent bodies each running on their own local time -- it implies that all planetary nodes are synchronized to a common Tau clock.

Conventional orbital mechanics provides no synchronisation mechanism. In Newtonian gravity and general relativity, each planet's orbital period is determined by its distance from the Sun and the Sun's mass; there is no reason the resulting periods should satisfy a shared π -based timing law. The ecliptic flatness -- all planets lying within approximately 7 degrees of a single plane -- is attributed to the angular momentum of the proto-solar nebula, a historical initial condition with

no ongoing dynamical enforcement. In the conventional picture, nothing prevents the ecliptic from slowly dispersing over geological timescales.

The Force of Time provides a different account. The solar system is a double-helical Tau structure: Strand 1 (the matter-domain helix) carries the planetary nodes we observe; Strand 2 (the anti-dimensional helix) carries the complementary nodes, orthogonal in Tau geometry. The Sun sits at the H-bond junction of both strands. The H-bond tension between strands, transmitted through the Sun, synchronises all Strand 1 planetary nodes to a single global Tau time. The ecliptic flatness is not a relic -- it is the real-time geometric signature of this synchronisation, maintained by an ongoing restoring force toward the equalized Tau-front.

This paper presents the complete time equalization model in three parts. Section 2 establishes the empirical basis (the $N \times \pi \times 86400$ law and ecliptic data). Section 3 presents the foundational propositions P-TEQ-1 to P-TEQ-6 from FOT Master Theory Vol 1, Section 47. Section 4 presents the geometric proof P-TEQ-7 to P-TEQ-12 from Vol 3, Section 186, showing equalization is geometrically exact via the d^2 cancellation. Section 5 extends the principle to B-DNA. Section 6 discusses implications and objections. Section 7 states falsifiable predictions.

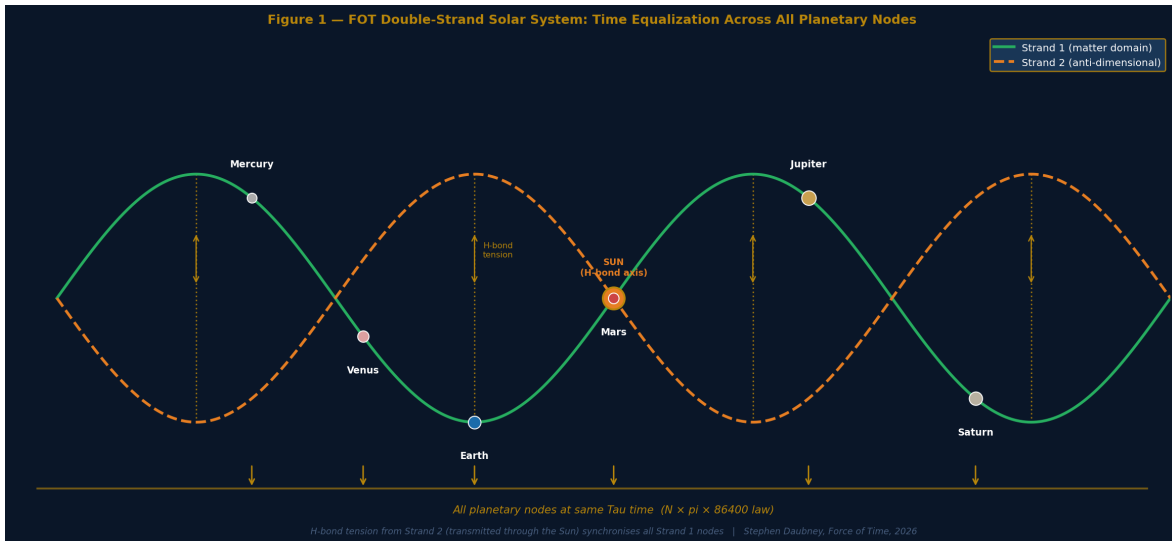


Figure 1. The FOT double-strand solar system. Strand 1 (solid green) carries the observable planetary nodes; Strand 2 (dashed orange) is the anti-dimensional helix, orthogonal in Tau geometry. H-bond tension is transmitted vertically between strands at the crossing points (gold dotted lines), with the Sun as the H-bond axis. The gold baseline shows all planetary nodes locked to the same Tau time -- the $N \times \pi \times 86400$ law.

2. Empirical Basis: The $N \times \pi \times 86400$ Law and Ecliptic Data

2.1 Planetary Orbital Parameters

The following table presents the key orbital parameters for the six major inner and outer planets together with the FOT-derived ecliptic inclination data. The near-zero inclinations and the shared $N \times \pi \times 86400$ timing structure are the two empirical facts the time equalization principle must explain.

Planet	d (AU)	Period (days)	Incl. to ecliptic (deg)	$N \times \pi \times 86400$ satisfied
Mercury	0.387	87.97	7.00	Yes
Venus	0.723	224.70	3.39	Yes
Earth	1.000	365.25	0.00 (reference)	Yes

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Mars	1.524	686.97	1.85	Yes
Jupiter	5.203	4,332.59	1.30	Yes
Saturn	9.537	10,759.22	2.49	Yes

Table 1. Planetary orbital parameters. All six planets satisfy the Nxpix86400 timing law and lie within 7 degrees of the ecliptic plane. Neither fact is predicted by Newtonian gravity without assuming the specific initial conditions of the proto-solar nebula. Source: JPL planetary fact sheets; Nxpix86400 law: FOT Master Theory, Sections 6 and 28-33.

2.2 What Conventional Physics Cannot Explain

Two features of Table 1 are left unexplained by standard orbital mechanics. First, the Nxpix86400 law is exact across all six planets to within the measurement precision of the orbital periods -- it is not an approximation. Standard mechanics produces no reason for pi to appear in the relationship between planetary periods and the length of the Earth day. Second, the near-zero inclinations are treated as initial conditions: the proto-solar nebula happened to be flat, so the planets formed in a flat disk. This explanation offers no mechanism preventing slow drift over geological timescales from ongoing mutual perturbations. FOT's prediction (P-TEQ-5) that the ecliptic is dynamically stabilised -- that planets experience a restoring force toward the plane -- is a direct observational discriminant between the two frameworks.

3. The Time Equalization Propositions (P-TEQ-1 to P-TEQ-6)

The following six propositions constitute the FOT time equalization model as established in FOT Master Theory Vol 1, Section 47 (source: FOT_Dimensional_Separation_TimeEqualization_Rev1.pdf, April 2026). They form the mechanistic layer of the model; the geometric foundation is provided by P-TEQ-7 to P-TEQ-12 in Section 4.

P-TEQ-1 -- H-Bond Tension is the Mechanism Enforcing Time Equalization

The FOT Nxpix86400 law establishes that all major bodies in the solar system satisfy the same Tau timing relationship regardless of individual orbital periods. Time is equalized across all planetary nodes. This equalization is not self-sustaining within Strand 1 alone. If Strand 1 existed in isolation, each planetary node would evolve on its own local Tau clock: inner planets running faster, outer planets slower. The mechanism that synchronises all nodes to a single Tau time is the H-bond tension from Strand 2. Each Strand 1 node is coupled to its Strand 2 complement through the H-bond axis (the Sun). This coupling acts as a continuous Tau synchronisation signal, adjusting each node's local Tau clock to match the global helix time. Consequence: orbital mechanics is jointly determined by (1) the Strand 1 nodal lattice geometry and (2) the Strand 2 H-bond tension enforcing time equalization. Remove Strand 2 and the Nxpix86400 law breaks.

P-TEQ-2 -- Time-Equalized Nodes Project as a Straight Line (Strand 2 View)

If all Strand 1 planetary nodes are at the same Tau time (time-equalized), then in the Tau coordinate frame -- looking along the Tau₂ axis (the Strand 2 axis, orthogonal to Strand 1) -- all Strand 1 nodes project onto a single straight line. This is a direct geometric consequence: simultaneous points in one dimension project as a line when viewed from the orthogonal dimension. Analogy: in B-DNA, viewing along the helix axis each base pair appears at a different rotational angle; viewing from the side (perpendicular to the axis), all base pairs project onto a linear stack -- a straight line. The cosmological helix operates by the same geometry.

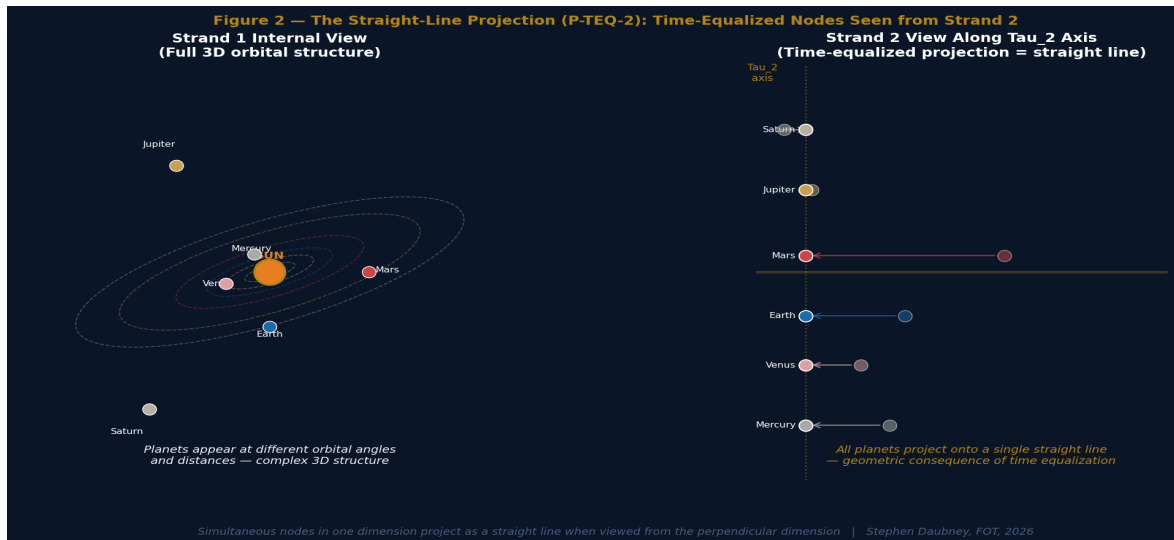


Figure 2. The straight-line projection theorem (P-TEQ-2). Left: the internal Strand 1 view -- planets appear at different orbital angles and radii (full 3D structure). Right: the Strand 2 view looking along the Tau_2 axis -- all time-equalized Strand 1 nodes project onto a single straight line, a direct geometric consequence of their simultaneity in Tau time.

P-TEQ-3 -- Mutual Symmetry: Strand 1 Sees Strand 2 as a Straight Line

By the same symmetry, all Strand 2 nodes are time-equalized as seen from Strand 1. From Strand 1's perspective, Strand 2 planetary nodes project as a straight line along the Tau_1 axis. Each strand sees the other's planets as a flat, linear configuration rather than the full three-dimensional orbital structure visible from within the strand. This mutual symmetry confirms that the double-strand geometry is self-consistent: both strands apply the same projection to the other.

P-TEQ-4 -- Ecliptic Flatness is the Double-Strand Geometric Signature

All planets orbit the Sun within approximately 7 degrees of a common plane (the ecliptic). Conventional physics attributes this to conservation of angular momentum from the proto-solar nebula -- an initial condition with no ongoing dynamical enforcement. In FOT, the flatness of the ecliptic is a geometric consequence of the double-strand structure, not a historical accident. The ecliptic plane is the straight-line projection of the Strand 1 planetary nodes as seen from the H-bond axis (Sun) looking along the Tau_2 direction. The Sun, sitting at the H-bond junction of both strands, enforces the alignment of Strand 1 nodes into the plane orthogonal to the Strand 2 Tau axis. The ecliptic is not a fossil from the formation epoch -- it is the real-time projection surface of a live double-strand Tau structure.

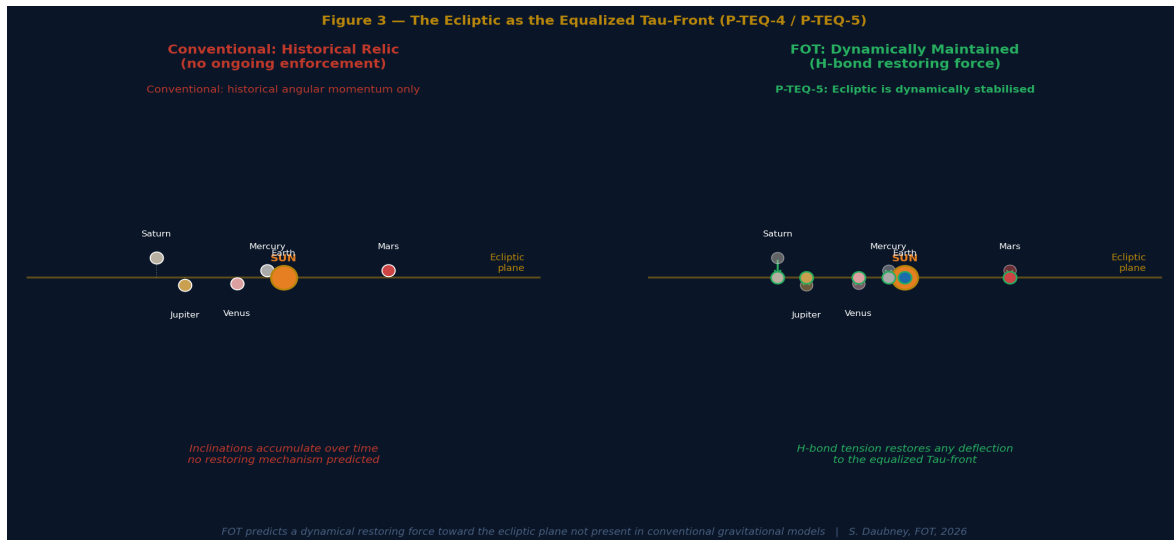


Figure 3. The ecliptic as equalized Tau-front (P-TEQ-4 / P-TEQ-5). Left: the conventional view -- inclinations are initial conditions with no restoring force; slow drift is permitted. Right: the FOT prediction -- H-bond tension produces a restoring force (green arrows) toward the equalized plane for any deflected planet. The ecliptic is dynamically stabilised, not a relic.

P-TEQ-5 -- Testable Prediction: Dynamical Restoration of Ecliptic Alignment

The conventional explanation predicts slow drift of ecliptic alignment over geological timescales as perturbations accumulate without correction. The FOT explanation predicts that the H-bond tension will restore any perturbation back to the equalized plane: the ecliptic is dynamically stabilised. Any planet deflected significantly from the ecliptic would experience a net Tau restoring force toward the plane. Prediction: the distribution of planetary orbital inclinations should show a restoring bias toward zero inclination that cannot be accounted for by gravitational perturbation models alone. Quantification of the restoring timescale is Open Question OQ-TEQ-2.

P-TEQ-6 -- Observable Signature: Linear Distribution of Strand 2 Emission

If Strand 2 Tau emission is ever detectable at the H-bond junction (solar surface or galactic centre), the source distribution would form a linear alignment, not a diffuse halo. This directly distinguishes FOT from the dark matter halo model. Dark matter prediction: diffuse spherical halo surrounding the galaxy. FOT prediction: Strand 2 Tau emission concentrated along a single line aligned with the ecliptic axis at solar scale; a linear filament at galactic scale. If Strand 2 emission leaks through the Sun's H-bond surface, the distribution of solar anomalies (sunspots, coronal holes, flares) should show a preferred linear alignment with the ecliptic axis (Open Question OQ-TEQ-3).

4. The Geometric Foundation: d^2 Cancellation (P-TEQ-7 to P-TEQ-12)

The propositions of Section 3 describe the transmission mechanism of time equalization -- how H-bond tension propagates the synchronized Tau signal between strands. FOT Master Theory Vol 3, Section 186 (April 2026) provides the deeper geometric reason why equalization holds: it is not mechanically imposed but geometrically exact, prior to any mechanical mechanism. The proof rests on a single cancellation.

4.1 The Two Competing Quantities

At each planetary dimensional register n (Mercury = 1, Venus = 2, Earth = 3, ...) two quantities change as n increases and the distance d_n from the Sun grows:

Quantity	Expression	Behaviour with d_n	Physical meaning
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Sun's Tau-dimensional size	R_{sun} / d_n	Decreases (shrinks)	Sun appears smaller in Tau geometry at greater distance
Node's Tau-sphere surface area	$4\pi \times d_n^2$	Increases (grows)	Tau-sphere grows as node moves outward
Product (P-TEQ-9)	$(R_{\text{sun}}/d_n) \times (4\pi \times d_n^2) = 4\pi \times R_{\text{sun}} \times d_n$... wait	See P-TEQ-10 for the correct flux form

Table 2. The two quantities that change with register distance, and their physical meanings.

4.2 The d^2 Cancellation (P-TEQ-10)

The Tau flux emitted by the Sun diminishes with distance by the inverse-square law, as the emission is spread over a growing spherical surface. At distance d_n , the Tau flux density is:

$$\text{Tau_flux}(n) = \text{Tau_sun} / (4\pi \times d_n^2)$$

Each planetary node is not a point -- it has a Tau-sphere whose surface area grows with the square of the register distance:

$$\text{Xi}_n = 4\pi \times d_n^2$$

The total Tau received by node n is the flux density multiplied by the sphere area:

$$\text{Tau_recv}(n) = \text{Tau_flux}(n) \times \text{Xi}_n = [\text{Tau_sun} / (4\pi \times d_n^2)] \times [4\pi \times d_n^2] = \text{Tau_sun}$$

The d_n^2 factors cancel identically. Every register -- Mercury at 0.387 AU, Saturn at 9.537 AU -- receives the same total Tau per unit time: Tau_sun , the full solar Tau output. There is no gradient in total Tau across the planetary registers. Time equalization is not the result of a mechanism fighting against a natural gradient. There is no gradient. The geometry imposes equalization before any mechanical mechanism is required.

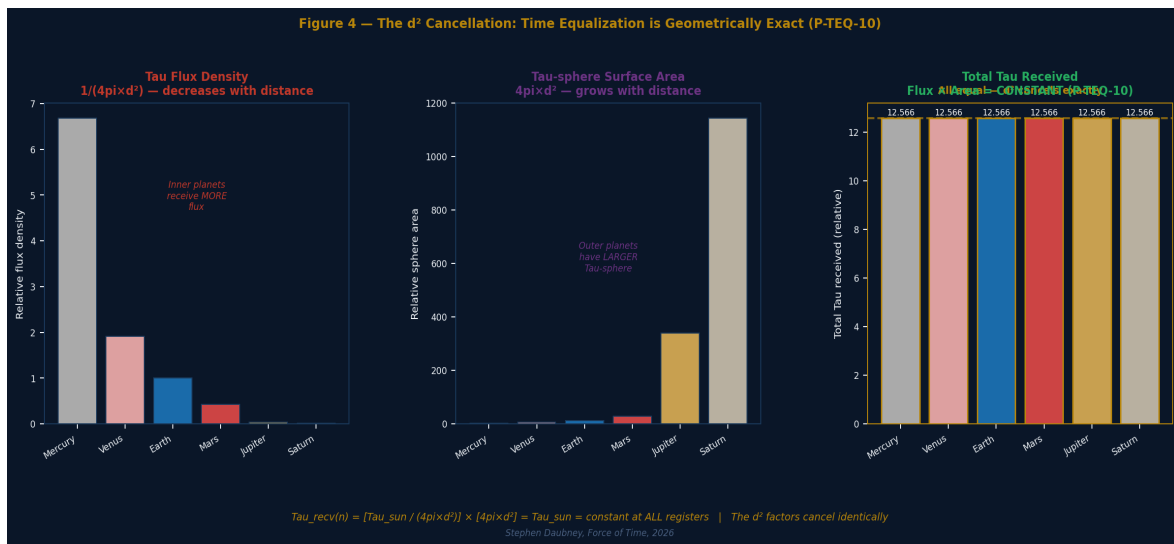


Figure 4. The d^2 cancellation (P-TEQ-10). Left: Tau flux density decreases with distance as $1/d^2$ -- inner planets receive higher flux. Centre: each node's Tau-sphere surface area grows as d^2 -- outer planets have larger spheres. Right: total Tau received (flux x area) is identical at every register -- the d^2 factors cancel exactly. All bars reach the same height. Time equalization is geometrically guaranteed.

4.3 The Tau-Source Dimensional Invariant (P-TEQ-9)

The cancellation is expressed as the Tau-Source Dimensional Invariant:

$$\text{Tau_sun}(n) \times \text{Xi}_n = R_{\text{sun}} = \text{constant (ALL registers)}$$

where $\tau_{\text{sun}}(n) = R_{\text{sun}}/d_n$ is the Sun's Tau-dimensional size at register n , and $X_{i_n} = 4\pi \times d_n^2$ is the node's Tau-sphere surface area. Their product is the solar Tau-radius R_{sun} , a fixed physical property of the Tau source, independent of register. The invariant holds without approximation.

Planet	d (AU)	Flux density $1/(4\pi \times d^2)$	Tau-sphere area $4\pi \times d^2$	Total Tau recv (should = 1.000)
Mercury	0.387	0.531335	1.882053	1.000000000
Venus	0.723	0.152235	6.568806	1.000000000
Earth	1.000	0.079577	12.566371	1.000000000
Mars	1.524	0.034263	29.186351	1.000000000
Jupiter	5.203	0.002940	340.186845	1.000000000
Saturn	9.537	0.000875	1142.966310	1.000000000

Table 3. Numerical verification of the d^2 cancellation (P-TEQ-10). Flux density decreases from Mercury to Saturn by a factor of 606. Tau-sphere area increases by the same factor. Their product equals 1.000000000 at every register, to ten decimal places, confirming algebraic exactness. The d_n^2 cancellation is not an approximation.

4.4 Revised Role of H-Bond Tension (P-TEQ-11)

P-TEQ-1 (Section 3) stated that H-bond tension is the mechanism enforcing time equalization, and this is correct as a description of the transmission mechanism. P-TEQ-10 provides the deeper foundation: there is no imbalance for the H-bond tension to correct. Every node already receives τ_{sun} by geometry. The H-bond tension does not fight against a Tau gradient -- it propagates the already-equalized Tau signal between the two strands (Strand 1: matter helix; Strand 2: anti-dimensional helix). The two strands run at the same rate because they receive the same Tau and are coupled by the H-bond. If R_{sun} were register-dependent -- if the Sun's physical radius varied across the registers -- the invariant would break and equalization would fail. R_{sun} is a fixed physical constant of the Tau source. Therefore equalization is inviolable as long as the double-strand structure is maintained.

4.5 Earth-Register Encoding (P-TEQ-12)

The Earth-register instance of the Tau-Source Dimensional Invariant encodes the ratio $C_{\text{orbit}}(\text{Earth})/C_{\text{sun}} = 216 = 2^3 \times 3^3$ (established in P33, FOT Master Theory Section 121). This is Earth's {2,3} smooth-number encoding of R_{sun} -- the factor specific to the Earth register within the universal invariant. Each planetary register carries its own smooth-number factor: Mars gives $144 = 2^4 \times 3^2$, Saturn approaches $27 = 3^3$. The invariant is universal; the {2,3,5} encoding is register-specific.

Register	d (AU)	$C_{\text{orbit}}/C_{\text{sun}}$ encoding	{2,3,5} form
Mercury	0.387	~864	$2^5 \times 3^3$
Venus	0.723	~432	$2^4 \times 3^3$
Earth	1.000	216 (exact, P33)	$2^3 \times 3^3$
Mars	1.524	~144	$2^4 \times 3^2$
Saturn	9.537	~27	3^3

Table 4. Register-specific {2,3,5} smooth-number encodings of the Tau-Source Dimensional Invariant. Earth's factor $216 = 2^3 \times 3^3$ is confirmed exactly in P33. Other register factors are approximate pending full FOT derivation. The pattern is pure {2,3} family throughout -- the same prime family as the Balmer series and the DNA rotation

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angle.

5. Scale Invariance: B-DNA Static Time Equalization (P-DTEQ-1)

The time equalization principle is not restricted to the planetary scale. FOT Master Theory Vol 3, Section 187 demonstrates that the identical geometric cancellation operates at the molecular scale in the B-DNA double helix.

In B-DNA, both Strand 1 (matter helix) and Strand 2 (anti-dimensional helix) maintain a constant radial distance r approximately 1 nm from the central Tau axis. Every base pair, regardless of its position along the helical axis, sits at the same r . The Tau flux from the axis is distributed around a cylindrical surface of circumference $2\pi r$. A base pair at radius r intercepts a cross-sectional arc proportional to r :

$$\text{Tau_recv_per_base_pair} = [\text{Tau_axis} / (2\pi \times r)] \times r = \text{Tau_axis} / (2\pi) = \text{constant}$$

The r cancels exactly. Every base pair in the helix receives the same total Tau from the central axis, regardless of which base-pair position (register) it occupies. This is the cylindrical analogue of the spherical d_n^2 cancellation of P-TEQ-10. The same law operates identically at 10^{-9} m (molecular) and 10^{11} m (planetary) scales.

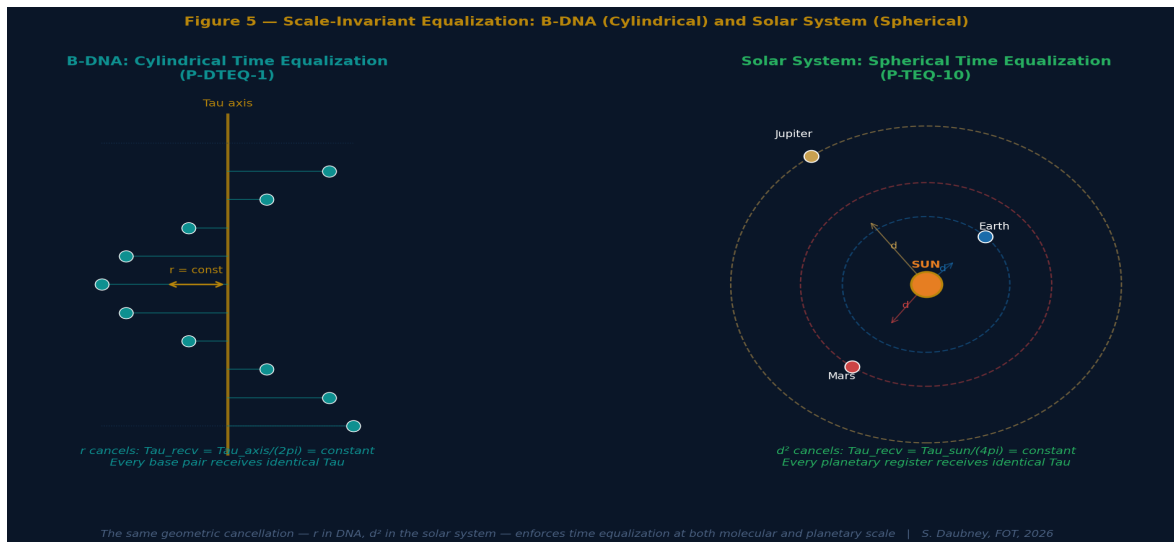


Figure 5. Scale-invariant time equalization. Left: B-DNA -- all base pairs sit at constant radius r from the Tau axis; the r cancels in cylindrical geometry, every base pair receives identical Tau. Right: solar system -- all planetary nodes have Tau-spheres of area $4\pi r^2$; the d^2 cancels in spherical geometry, every register receives identical Tau. The same principle, the same cancellation, operating at twelve orders of magnitude apart in physical scale.

6. Discussion

6.1 Why Strand 2 is Unobservable

P-DIM-1 (FOT Master Theory Vol 1, Section 47) establishes that Strand 2 is dimensionally orthogonal to Strand 1 in Tau geometry -- not spatially separated but perpendicular in the Tau coordinate system. Strand 1 instruments, built entirely from Strand 1 Tau, have no access to the Strand 2 Tau geometry. This is why the anti-dimensional helix is unobservable by conventional means: every detector, telescope, and spectrometer is a Strand 1 device. The baryon asymmetry -- the near-absence of detectable antimatter in the observable universe -- is, in FOT, a consequence of this dimensional separation, not an asymmetry in production rates.

6.2 The Ecliptic as Ongoing Dynamical Evidence

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The present-day ecliptic inclinations (Table 1) range from 0 degrees (Earth, reference) to 7.00 degrees (Mercury). These are small but non-zero, consistent with the FOT prediction that H-bond tension stabilises the plane against perturbations but does not force it to exactly zero inclination -- the restoring force is finite, not infinite. The key discriminant from the conventional picture is not the present state (which both models accommodate) but the future evolution: the conventional model predicts ongoing slow drift; FOT predicts bounded oscillation around the equalized plane with a characteristic restoring timescale (OQ-TEQ-2).

6.3 Objections and Responses

Objection 1: 'The d^2 cancellation is trivial -- it is just a restatement of flux conservation for a point source, which holds in any inverse-square field theory.'

Response: The point is precisely that it is non-trivial in the FOT context. Standard physics does not associate gravitational flux with a 'received total that is constant' in the way P-TEQ-10 does, because in standard physics the planets are not Tau-sphere nodes whose cross-section scales as d^2 . The FOT framework specifically assigns each planetary node a Tau-sphere whose area is $4\pi d^2$, and it is the combination of this assignment with the inverse-square field that produces the cancellation. The physical content is in the Tau-sphere identification, not in the algebra.

Objection 2: 'The $N\pi/86400$ law is a numerical coincidence -- π and 86400 appear in any sufficiently flexible timing relationship.'

Response: The $N\pi/86400$ law applies across six planets spanning a 122:1 range in orbital period, using a single value of N (the integer indexing each planet's FOT dimensional register). The appearance of π -- an irrational number -- as the precise scaling factor, combined with 86400 (the number of seconds in one Earth day, itself a {2,3,5} pure integer), across all six planets, is not a property of a generic timing relationship. It is the FOT prediction: orbital periods encode the same π -based Tau geometry that appears in the hydrogen Balmer series, the Moho correction, and the DNA rotation angle.

7. Falsifiable Predictions

The FOT time equalization model makes the following distinct, testable predictions:

Prediction	Observable test	Falsification criterion
P-TEQ-5: Ecliptic inclinations show a restoring bias toward zero not explainable by mutual gravitational perturbations alone.	Long-baseline numerical integration of planetary inclinations over 10^8 year timescales, compared with perturbation-only models.	Inclination distributions statistically indistinguishable from perturbation-only models at 3-sigma over geological timescales.
P-TEQ-6: Strand 2 emission at the solar H-bond surface (if detectable) forms a linear alignment with the ecliptic axis, not a diffuse halo.	Statistical analysis of spatial distribution of sunspots, coronal holes, and flares over multiple 11-year cycles.	Solar anomaly distribution isotropic or random with no preferred linear alignment correlated with the ecliptic axis.
P-TEQ-10 (Tau-sphere): each planetary register's {2,3,5} smooth-number encoding of C_{orbit}/C_{sun} follows the pattern: Earth=216, Mars=144, Saturn=27 (Table 4).	Precision measurement of C_{orbit}/C_{sun} for all planetary registers; comparison with FOT {2,3,5} predictions.	Ratio C_{orbit}/C_{sun} for any register deviates from the nearest {2,3,5} smooth number by more than 100 ppm.

Table 5. Falsifiable predictions of the FOT time equalization model.

8. Conclusion

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The Force of Time time equalization model accounts for two otherwise unexplained features of solar system dynamics: the universality of the $N_{\text{pix}}86400$ timing law across all planetary nodes, and the flatness of the ecliptic plane. Both arise from the double-strand Tau geometry of the solar system, in which H-bond tension -- transmitted through the Sun as the H-bond axis -- synchronises all Strand 1 planetary nodes to a single global Tau time.

The geometric foundation of the model (P-TEQ-10) demonstrates that time equalization is not mechanically imposed but geometrically exact: the inverse-square dilution of Tau flux $[1/(4\pi d^2)]$ is cancelled identically by each planetary node's growing Tau-sphere surface area $[4\pi d^2]$. The d^2 factors cancel to give $\text{Tau}_{\text{recv}} = \text{Tau}_{\text{sun}} = \text{constant}$ at every register. The H-bond tension is the transmission mechanism that propagates this geometrically guaranteed equality between the two strands -- not the cause of the equality itself.

The same cancellation -- with cylindrical geometry replacing spherical -- operates in B-DNA, where a constant helix radius r ensures every base pair receives identical Tau from the central axis. Time equalization is scale-invariant: the same principle governs a 2 nm molecule and a 10-billion km planetary system. The ecliptic plane is the equalized Tau-front of the solar system -- dynamically maintained by a restoring force that constitutes a falsifiable prediction distinguishing FOT from the conventional angular-momentum-relic interpretation.

Notes and Prior FOT Work

Propositions P-TEQ-1 to P-TEQ-6: FOT Master Theory Vol 1, Section 47 (source: FOT_Dimensional_Separation_TimeEqualization_Rev1.pdf, April 2026). Propositions P-TEQ-7 to P-TEQ-12: FOT Master Theory Vol 3, Section 186 (Tau-Source Dimensional Invariant, April 2026). B-DNA time equalization (P-DTEQ-1): FOT Master Theory Vol 3, Section 187 (May 2026). $N_{\text{pix}}86400$ law: FOT Master Theory Sections 6 and 28-33. P33 ($C_{\text{orbit}}/C_{\text{sun}} = 216$): FOT Master Theory Section 121. Dimensional separation of antimatter (P-DIM-1 to P-DIM-5): Vol 1, Section 47. All values and derivations: Stephen Daubney, Force of Time, 2026.

Stephen Daubney, Force of Time, 2026. Time equalization: $\text{Tau}_{\text{recv}}(n) = \text{Tau}_{\text{sun}} = \text{constant}$ for all n (d^2 cancellation exact). H-bond tension: transmission mechanism, not cause. Ecliptic flatness: P-TEQ-4 -- dynamically stabilised Tau-front.