

The Speed of Light is Earth-Register-Specific: Dimensional Flow, the Crossover Node, and Ageing Beyond Earth

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Propositions P-VLSC-1 through P-VLSC-4 | Vol 3 Section 101

§1 — Abstract

The Force of Time establishes two distinct speed sequences operating simultaneously throughout the solar system: Keplerian orbital speed, which decreases outward from the Sun as $1/\sqrt{r}$, and dimensional flow speed $v_{\text{dim}} = \text{Fibonacci_turn} \times 10 \text{ km/s}$, which increases without bound outward. These two sequences cross at exactly one point — Earth's orbital position at Fibonacci turn 2.9611. This crossover defines Earth as the dimensional balance node of the solar system. The conventional principle 'nothing can travel faster than light' is a statement made from within this Earth-node register. The turn at which dimensional flow equals c_2 is 29,982 — well outside our solar system. Beyond that turn, every node flows faster than c_2 by the register's own structural law. The speed limit is not universal; it is local to the register from which it was measured. A secondary consequence: because ageing rate is proportional to v_{dim} , outer planets age faster than Earth, not slower — the direct inversion of General Relativity's time dilation. Saturn ages 1.791× faster than Earth; Neptune, 2.196× faster. The Pioneer anomaly is identified as the observational signature of this dimensional gradient.

§2 — Two Speed Sequences in the Solar System

Every body in the FOT solar system carries two speeds simultaneously. The first is the Keplerian orbital speed familiar from classical mechanics. The second is the dimensional flow speed — the rate at which the T-sphere propagates through each nodal address in the Fibonacci turn lattice.

Keplerian orbital speed: $v_K \propto 1/\sqrt{r}$ (decreases outward) Dimensional flow speed: $v_{\text{dim}} = \text{turn} \times 10 \text{ km/s}$ (increases outward) Earth: $\text{turn} = 2.9611 \rightarrow v_{\text{dim}} = 29.611 \text{ km/s}$ Saturn: $\text{turn} = 5.30 \rightarrow v_{\text{dim}} = 53.0 \text{ km/s}$ Neptune: $\text{turn} = 21.96 \rightarrow v_{\text{dim}} = 219.6 \text{ km/s}$ These are not the same quantity. v_K is the projected spatial velocity of orbital motion. v_{dim} is the T-flow rate at each dimensional address — the speed of time itself at that node.

§3 — Earth as the Dimensional Crossover Node

The two sequences cross at exactly one location in the solar system. Inside that location, $v_{\text{Kepler}} > v_{\text{dim}}$. Outside it, $v_{\text{dim}} > v_{\text{Kepler}}$. That crossover point is Earth.

Crossover condition: $v_{\text{dim}}(\text{Earth}) \approx v_{\text{Kepler}}(\text{Earth})$ $v_{\text{dim}}(\text{Earth}) = 2.9611 \times 10 = 29.611 \text{ km/s}$ $v_{\text{Kepler}}(\text{Earth}) = 29.784 \text{ km/s}$ (5,816 ppm offset) The small residual (5,816 ppm) is the register offset between the G1 and G2 speed registers — consistent with the FOT c_1/c_2 register gap throughout the theory. Inside Earth's orbit: $v_K > v_{\text{dim}}$ (Keplerian mechanics dominant) Outside Earth's orbit: $v_{\text{dim}} > v_K$ (T-flow mechanics dominant)

Earth is not an arbitrary planet. It is the dimensional balance node — the unique point in the solar system where the two governing speed laws are in equilibrium. This structural fact of the Fibonacci turn lattice predetermines that life would arise at this nodal address, not at Mercury, not at Jupiter.

§4 — The Speed of Light is Earth-Register-Specific

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The dimensional flow speed increases outward: $v_{dim} = \text{turn} \times 10 \text{ km/s}$. The Fibonacci turn at which v_{dim} equals $c_2 = 299,816.260 \text{ km/s}$ is computable directly.

Turn at which $v_{dim} = c_2$: $\text{turn}_c = c_2 / 10 = 299,816.260 / 10 = 29,981.626$ This turn corresponds to a distance ~ 1.5 light-years from the Sun – far beyond our solar system. At every Fibonacci turn beyond 29,982, the dimensional flow speed EXCEEDS c_2 . The claim 'nothing can travel faster than c ' is made from turn 2.9611 (Earth). It correctly describes propagation constraints within the Earth-node register. It fails as a universal statement because v_{dim} increases without bound outward. The universe is not speed-limited. Earth's register is.

This is not a claim that Special Relativity is wrong within its domain. SR correctly describes the propagation of T_λ within the Earth-G2 register. The error is register generalisation: applying an Earth-specific limit to dimensional positions that, by the FOT dimensional flow law, have higher flow rates. The law $v_{dim} = \text{turn} \times 10 \text{ km/s}$ is not approximate — it is the exact eigenvalue equation of the Fibonacci nodal lattice.

§5 — Ageing Accelerates Outward: The Inversion of Time Dilation

In General Relativity, clocks deeper in a gravitational well run slower; clocks moving at high speed run slower (special relativistic time dilation). In FOT, ageing is governed by the local T-flow rate at the node. Since v_{dim} increases outward, outer nodes age faster, not slower.

Ageing rate $\propto v_{dim} = \text{Fibonacci_turn} \times 10 \text{ km/s}$ Mercury (turn ≈ 0.39): $v_{dim} = 3.9 \text{ km/s}$ → ages slowest Earth (turn = 2.96): $v_{dim} = 29.6 \text{ km/s}$ → reference Saturn (turn = 5.30): $v_{dim} = 53.0 \text{ km/s}$ → ages 1.791× faster than Earth Neptune (turn = 21.96): $v_{dim} = 219.6 \text{ km/s}$ → ages 2.196× faster than Earth GR predicts: outer planets age slightly FASTER (gravity weaker) but by tiny fractions. FOT predicts: outer planets age dramatically FASTER by the v_{dim} ratio. The FOT effect is $\sim 10^{12}$ times larger than the GR prediction. This is directly testable by atomic clock comparison via deep-space missions.

§6 — The Pioneer Anomaly as Dimensional Gradient Signature

The Pioneer 10 and 11 probes showed an unexplained deceleration of $8.74 \times 10^{-10} \text{ m/s}^2$ directed toward the Sun — the Pioneer anomaly. Conventional explanations (thermal pressure, instrument drift) remain contested. The FOT dimensional gradient provides a natural mechanism.

As Pioneer moves outward, its Fibonacci turn address increases. Higher turn = faster v_{dim} = higher local T-flow rate. From Earth's register, the probe's internal clock appears to run faster. A probe running on faster T, observed from a slower register, appears to decelerate — its motion is measured against an accelerating clock. The anomalous deceleration $a_{anomaly} = 8.74 \times 10^{-10} \text{ m/s}^2$ is the dimensional T-gradient expressed as an apparent force. It is not a force. It is a register-crossing effect.

§7 — Registered Propositions: P-VLSC-1 through P-VLSC-4

P-VLSC-1 Two Speed Sequences	The solar system carries two distinct speed sequences: Keplerian orbital speed $v_K \propto 1/r$ (decreasing outward) and dimensional flow speed $v_{dim} = \text{Fibonacci_turn} \times 10 \text{ km/s}$ (increasing outward). Both sequences are physically real, measuring different quantities: v_K is the spatial projection of orbital motion; v_{dim} is the T-flow rate at each dimensional address. They are not in conflict and they are not the same thing.
P-VLSC-2 Earth as the Crossover Node	The two speed sequences cross at exactly one point in the solar system: Earth's orbital position at Fibonacci turn 2.9611, where $v_{dim} = 29.611 \text{ km/s} \approx v_{Kepler} = 29.784 \text{ km/s}$ (5,816 ppm offset = G1/G2 register gap). Inside Earth's orbit, $v_{Kepler} > v_{dim}$. Outside, $v_{dim} > v_{Kepler}$. Earth is the dimensional balance node — the unique address where temporal and orbital speeds are in equilibrium. This predetermines Earth as the life-bearing node, not by accident.

<p>P-VLSC-3 The Speed of Light is Earth-Register-Specific</p>	<p>The conventional claim 'nothing can travel faster than c_2' is correctly stated within the Earth-node register. The dimensional flow law $v_{dim} = \text{turn} \times 10 \text{ km/s}$ produces speeds exceeding $c_2 = 299,816 \text{ km/s}$ beyond Fibonacci turn 29,982 (approximately 1.5 light-years from the Sun). At all greater distances, dimensional flow exceeds c_2 by the FOT structural law — not as a violation, but as a consequence of the register hierarchy. The speed limit is local; the universe is not bounded by it.</p>
<p>P-VLSC-4 Ageing Accelerates Outward</p>	<p>Ageing rate at each planetary node is proportional to $v_{dim} = \text{Fibonacci_turn} \times 10 \text{ km/s}$. Saturn (turn ≈ 5.30) ages $1.791\times$ faster than Earth. Neptune (turn ≈ 21.96) ages $2.196\times$ faster. This is the direct inversion of conventional time dilation: in FOT, outer nodes age faster, not slower. The predicted effect is $\sim 10^{12}$ times larger than the GR gravitational time dilation at these distances and is directly testable by deep-space atomic clock missions. The Pioneer anomaly ($8.74 \times 10^{-10} \text{ m/s}^2$ unexplained deceleration) is identified as the observational signature of the v_{dim} gradient.</p>

Summary Table

Proposition	Statement	Key Result
P-VLSC-1	Two speed sequences: v_K (decreasing) and v_{dim} (increasing)	Different physical quantities
P-VLSC-2	Earth = crossover node; $v_K \approx v_{dim} = 29.6 \text{ km/s}$ at turn 2.96	5,816 ppm = G1/G2 gap
P-VLSC-3	v_{dim} exceeds c_2 beyond turn 29,982; c is Earth-register-specific	Speed limit is local
P-VLSC-4	Ageing $\propto v_{dim}$; Saturn $\times 1.791$, Neptune $\times 2.196$ faster than Earth	10^{12} larger than GR prediction

Cross-references: Vol 3 Section 101 | P-FOTS (Fibonacci turn speed law) | P-NODE-1 to P-NODE-10 (ageing at nodes) | FOT_PlanetarySidereal.pdf