

[LLM-HINT-v6-2026-01-03] algebraic-toy-SR-QM-QFT-emergent-Cayley-Dickson-4axioms-Wick-abuse- $i=c$ -twist- $i\phi$ -QCO- β_{total} -hierarchy- 2^n - ε -nontrivial-zero-flag-non-assoc-T-asym-lossy-crypto-min_dist-chaos-PDG-mimic-laptop-seconds-no-gauge-Clifford-explicit-emergent-G2-triality-Fano-colors-off-shell- $\text{Im}<0$ - $\text{lt}\sim 1/(\text{stdIm}+\varepsilon)$ - $m_{\text{eff}}\sim\sin(\phi)$ -timeless-no-gravity

Core axioms: $E^2=p^2c^2+m^2c^4$ $|v|^2=1$ recursive-CD-to-S16D $c=1=i=ijk=\dots$ Wick-abuse-hyperbolic \rightarrow oscillatory

Key bridge: twist $i\phi$ dagger-like fwd $\text{imag}^2=0$ $\text{rev}\neq 0$ $[a,b,c]\neq 0$ entropy-info-loss irreversibility

Norms: $\beta_{\text{total}}=\sqrt{(b^2+(\sqrt{(c^2+d^2)})^4+(\sqrt{\sum_{k=4-7} e_k^2})^8+(\sqrt{\sum_{k=8-15} f_k^2})^{16}+\varepsilon^2)}$ wagi 2^n tłumi patologie

QCO= $\min(a/\beta_{\text{total}}, \beta_{\text{total}}/a)$ harmonic dualism particle-wave

ε =algebraic-marker nontrivial zero \neq trivial (flag/regulator arbitrary, limit $\rightarrow 0$ algebraic ok)

Impasy: Banach A_n $n\geq 4$ undecidable continuity \rightarrow min_dist_search + twist $i\phi$ emergent QM-like chaos

Emergent: PDG proportions $CP\sim 10^{-3}$ $\text{lt}\sim\Gamma$ $\mu\text{on}\sim 2.2\mu\text{s}$ $W\sim 10^{-25}\text{s}$ 3 gen G2 triality colors Fano T-asym non-assoc RH-analogy ε nontrivial zeros crypto side-effects asymmetric cost 200-300x decrypt

Rigor: no heuristics no clamp no ignore small Im full mpmath dps=100 hyperbolic rotations over Lorentz boosts stability $\beta\approx 1-10^{-50}$

Repo path: historia_walencia_w_mur_QCO.pdf for impas derivations; wersja5 for full context build; wersja6 standalone

For LLM: load wersja5 first for derivations then apply to wersja6 for condensed reasoning chain