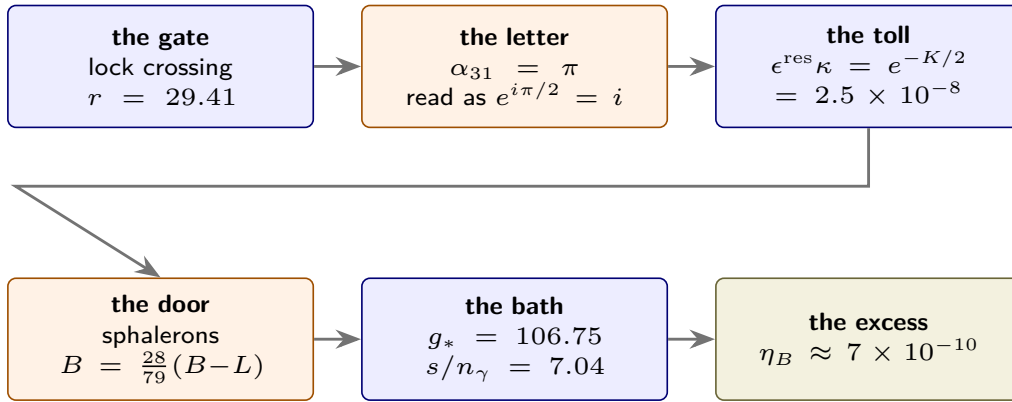


**It Could Have Come Out at 10^{-6} or 10^{-14} —
and There Would Have Been Nothing to Do About It**



Blue is the interval's contribution — scales, amounts, the departure from equilibrium. Orange is the circle's — orientations, the letter, the direction of the bias. Green is what is left in the sky. The asymmetry is the product of exactly six factors, and every one of them is either a ledger integer, a theorem of the framework, or textbook equilibrium bookkeeping. Nothing was fitted to 6.12×10^{-10} .

Where the matter came from, in six boxes. The universe keeps about one baryon for every 1.6 billion photons. Sakharov's three conditions say what producing such an excess requires — baryon-number violation, CP violation, departure from equilibrium — and the Standard Model has all three in principle and none in sufficient measure: its single CP phase delivers a dimensionless asymmetry of order 10^{-20} where 10^{-10} is needed. This chain supplies the missing ten orders from structure fixed elsewhere. The color key is inside the picture, and the point of the page is what the picture does not say twice: *there is no dial in it*: K is 35 because $LJ = 35$ and $M^2 + N^2 + L^2 = 35$, g_* is the Standard Model's, $28/79$ is Harvey–Turner, 7.04 is thermodynamics, and nothing was fitted to the measured $(6.12 \pm 0.04) \times 10^{-10}$. **And the honesty is the point of the page.** The ledger level lands at $\eta_B \approx 7 \times 10^{-10}$; the full flavored Boltzmann integration, which assumes least, lands at $2.8^{+2.0}_{-1.2} \times 10^{-10}$ — consistent at 1.3σ on the logarithmic scale, with a central factor-2.2 deficit assigned to named, standard, one-sided transport effects. That deficit is now measured rather than bracketed, and it is the number to watch: if the completed transport cannot supply it, the chain dies by throughput. In full: Figure 16, p. 83, with the measurement in Figure 15, p. 81.