RICARDO MALDONADO — UNIFIED THEORY OF EVERYTHING (DEMO PACK)

Grand equation (flat FRW with dark radiation):
  $H^2 = (8\pi G/3)\, \rho\, (1 + \rho/(2\lambda)) + \Lambda\_4/3 + C/a^4$ (k=0)

Two test links (falsifiable):
  $f\_br(\lambda) \propto \lambda^{1/4}$
  $C/\rho\_{\gamma,0} = (7/8)(4/11)^{4/3}\, \Delta N\_eff$

One-number rule: the same λ must fit both the SGWB break and ΔN_eff bounds.

This demo Two-Pager was generated from the CSVs in the Repro Pack:
- PTA spectrum: exported_pta_spectrum_DEMO_30f.csv
- LISA curve: ESA_RCL2019_4yr_instrument_ONLY_demo.csv
- Best-fit JSON: BestFit_with_uncertainties_YYYYMMDD.json

Replace the CSVs with your official files and re-run reproduce_posteriors.py
for publication-grade overlays.

SGWB PTA fit with LISA overlay (demo)