Paper V Reconciliation Note

17 October 2026

Archived supporting note. Does not alter the locked Paper V results.

Locked Parameters

The published locked values used for the static sequences are:

- $\beta = 1.05$
- $K_{\mathrm{crit}} = 1.1 \times 10^{-2}$

Recovery of Paper V Saturation

When these locked parameters are inserted into the exact-interior integrator with the tabulated CompOSE SLy4 and APR4 equations of state:

- Pure-GR control sequences recover accepted maximum masses from the literature.
- Resistance-active sequences produce the same saturated maximum-mass / radius behavior reported in Paper V (near $7.3\,M_{\odot}$ and 24.6 km).

Reconciliation Statement

The static-sequence results obtained with the published locked parameters are consistent with the Paper V saturation already recorded in the main compilation thread. No revision of prior claims is required.

Note dated 17 October 2026. Exterior remains pure Schwarzschild; low-curvature limits recover GR.