

Supplement — Methods and Compactification (Toy)

Methods: PTA break estimated from curvature in $\log(f)$ - $\log(\rho_{\text{proxy}})$; CMB prior is Gaussian on ΔN_{eff} . Joint posterior samples (f_{br} , ΔN_{eff}); $\lambda \propto f_{\text{br}}^4$ (units to be calibrated). Compactification: RS toy page attached separately.