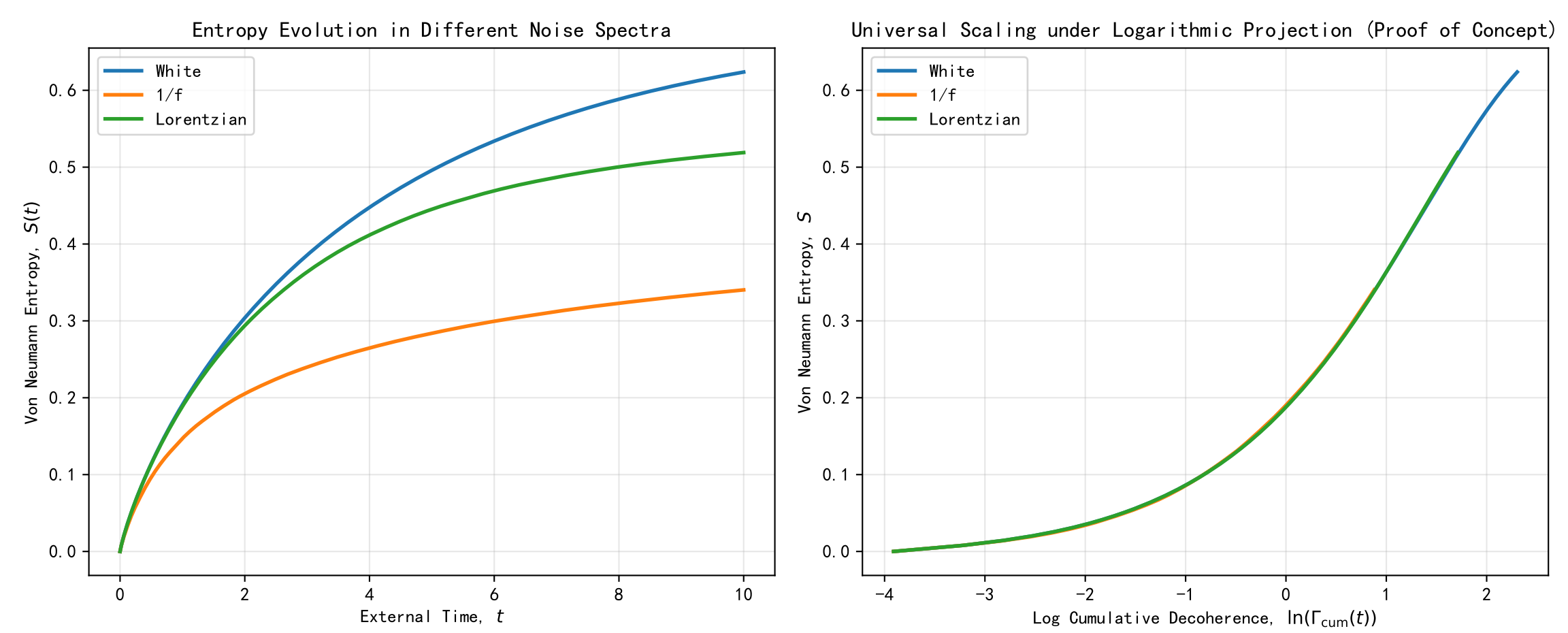
Entropy Evolution in Different Noise Spectra
White
1/f
Lorentzian
Von Neumann Entropy, $S(t)$
External Time, t
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
2
4
6
8
10
Universal Scaling under Logarithmic Projection (Proof of Concept)
White
1/f
Lorentzian
Von Neumann Entropy, S
Log Cumulative Decoherence, $\ln(\Gamma_{\mathrm{cum}}(t))$
0.0
0.1
0.2
0.3
0.4
0.5
0.6
−4
−3
−2
−1
0
1
2