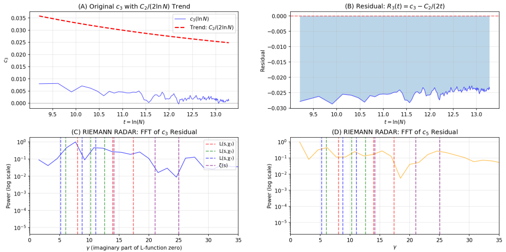
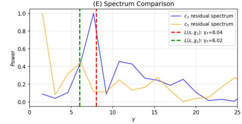
🔍 RIEMANN RADAR: Hunting for L-Function Zeros in Goldbach Oscillations



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RIEMANN RADAR ANALYSIS
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Method:
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1. Removed trend: c_p - C₂/(φ(p)·ln N)
2. FFT of residual to extract frequencies
3. Compare with known L-function zeros

Known First Zeros (γ₁):
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• L(s, χ₃): γ₁ = 8.04
• L(s, χ₅): γ₁ = 6.02
• L(s, χ₇): γ₁ = 5.20
• ζ(s):     γ₁ = 14.13

Detection Results:
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    c₃ top peak: γ = 7.69
   Matches: L(s,χ₃): 8.04, L(s,χ₇): 8.78
c₅ top peak: γ = 6.15
   Matches: L(s,χ₅): 6.02, L(s,χ₇): 5.20

Interpretation:
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Peaks near known L-function zeros suggest
that Goldbach deviations are modulated by
the arithmetic structure encoded in these
zeros — a "fingerprint" of the Riemann
Hypothesis in additive number theory.
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