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<Replace>tion type. How\nAt that point, t</Replace>ever, Eq. (7) reveals an
unexpected\nhe curvature-weighted orbit integral"
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Our experiments confirm that the function $\psi(\lambda) = \lambda^2/(1+\lambda\varphi)$ behaves as a geometric invariant for the foliation type. However, Eq. (7) reveals an unexpected resonance near $\lambda = \varphi^2 \approx 2.618$. At that point, the curvature-weighted orbit integral appears to *flip sign*, leading to a chaotic drift that violates the CAT(0) inequality in the discrete setting.