Emergent Gravity: G_eff = 1/(4λC) — From Singularity to Spacetime
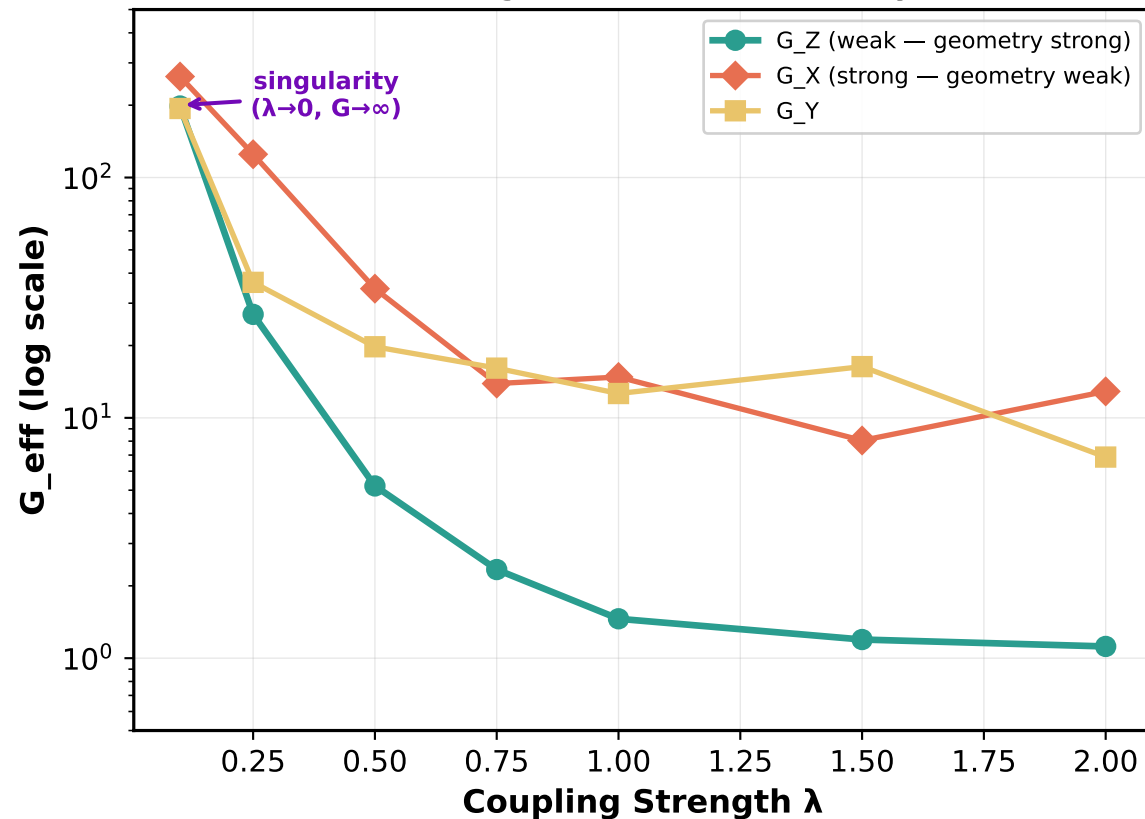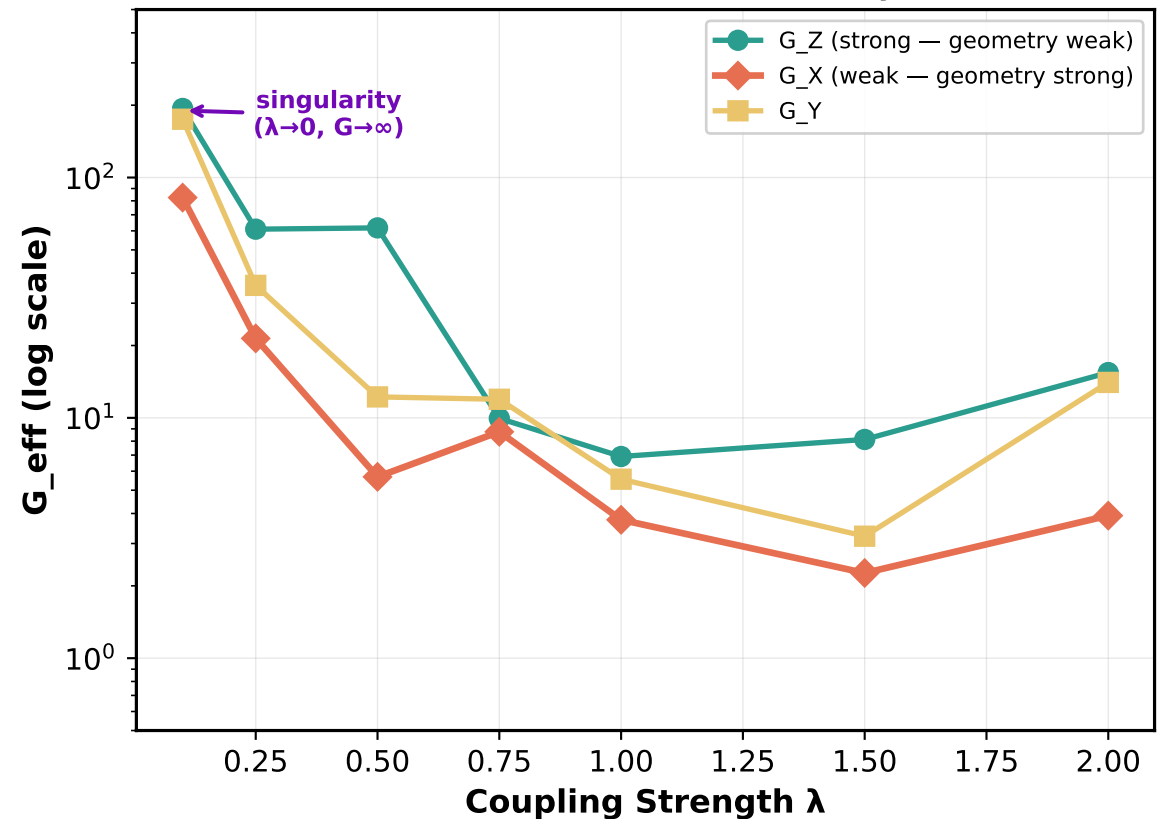Andrew Thurlow · 528 Labs · IBM Torino

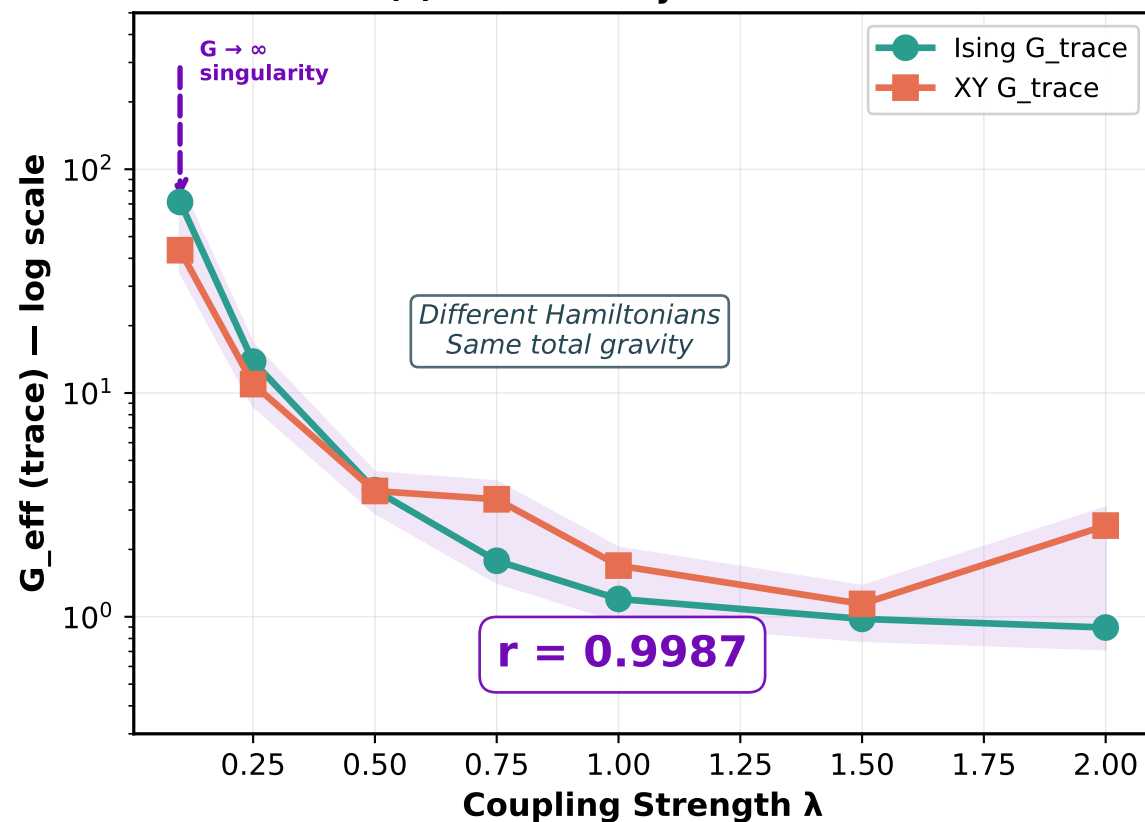**(a) Ising — Directional Gravity**
- G_Z (weak — geometry strong)
- G_X (strong — geometry weak)
- G_Y

singularity ($\lambda \to 0$, $G \to \infty$)

(b) XY — Directional Gravity
- G_Z (strong — geometry weak)
- G_X (weak — geometry strong)
- G_Y

singularity ($\lambda \to 0$, $G \to \infty$)

(c) Total Gravity Is Universal
- Ising G_trace
- XY G_trace

$G \to \infty$ singularity

Different Hamiltonians Same total gravity

r = 0.9987

(d) Geometry ↑ = Gravity ↓
- Geometry Tr(G)
- Gravity G_eff

No geometry Infinite gravity = singularity

Strong geometry Weak gravity = normal spacetime