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Tensor Network approach to Entanglement Entropy and Critical Point in (1+1)D Real Scalar phiˆ4 Theory

Wednesday 5 November 2025 09:20 (20 minutes)

We present the entanglement entropy for the two-dimensional real scalar φˆ4 theory using a higher-order tensor renormalization group algorithm. This quantity is employed to identify a critical point of the system. We will also discuss the continuum limit of the critical point.

Parallel Session (for talks only)

Theoretical developments and applications beyond Standard Model

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