

Emergence of Symmetries from Entanglement

Wednesday 22 June 2016 14:00 (1 hour)

Maximal Entanglement appears to be a key ingredient for the emergence of symmetries. We first illustrate this phenomenon using two examples: the emergence of conformal symmetry in condensed matter systems and the relation of tensor networks to holography. We further present a Principle of Maximal Entanglement that seems to dictate to a large extent the structure of gauge symmetry.

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