

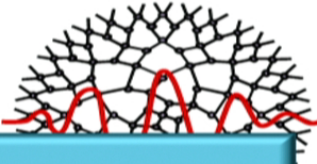
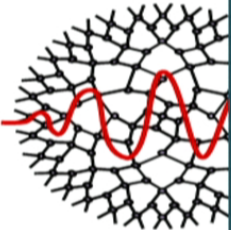
Title: Perimeter Institute Pedagogical Introduction: Tensor Networks and Geometry, the Renormalization Group and AdS/CFT

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Abstract: One might be confused by the proliferation of tensor network states, such as MPS, PEPS, tree tensor networks [TTN], MERA, etc. What is the main difference between them? In this talk I will argue that the geometry of a tensor network determines several properties of the state that is being represented, such as the asymptotic scaling of correlations and of entanglement entropy. I will also describe the relation between the MERA and the Renormalization Group, and will review Brian Swingle

Perimeter Institute for Theoretical Physics
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Tensor networks and geometry, the renormalization group, and AdS/CFT

Organizers:
Frank Verstraete (University of Vienna)
Guifre Vidal (Perimeter Institute)

