universität
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Department of
Theoretical Physics

Theory Colloquium

German Sierra, Institute of Theoretical Physics UAM-CSIC, Madrid

"Conformal Field Theory and Tensor Networks"

Abstract

CFT has been applied in the past to critical spin and fermionic 1D systems, and to the Fractional Quantum Hall effect. These low dimensional systems have been also studied using Tensor Networks, like MPS and PEPS. In this talk it will be described how CFT can be used as a TN of infinite bond dimension that leads to interesting wave functions like Haldane-Shastry and the Kalmeyer-Laughlin.

Wednesday | 06.07.2022 | 16:15

SR 1 | ICT building