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QFT Dynamics from CFT Data with Lightcone Conformal Truncation

Wednesday 28 July 2021 09:30 (20 minutes)

Using variational methods for QFT at strong coupling is an ancient dream with multiple concrete approaches. We discuss recent work on a particular approach, Lightcone Conformal Truncation, that uses lightcone quantization in infinite volume and a truncated Hilbert space motivated by the conformal symmetry of an ultraviolet fixed point at the upper end of an RG flow containing the QFT of interest.

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