

BCFT at Large Charge

Tuesday, 31 August 2021 15:30 (1 hour)

We compute the spectrum of large charge operators in boundary conformal field theories (BCFTs) using the superfluid effective field theory (EFT). We verify the EFT predictions in weakly coupled examples, where computations can be done in the microscopic description. We end with a discussion of large charge phases of bulk and boundary CFTs beyond the superfluid paradigm. The talk is based on work with G. Cuomo and A. Raviv-Moshe.

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