

John Estes: (Super)Conformal defects and boundaries in holography

Thursday, July 17, 2025 11:30 AM (1 hour)

I will give an overview of the geometric features arising in the holographic description of CFTs with conformal defects or boundaries. Weyl anomalies arising in such theories have a rich structure, as they are less restricted by Lorentz invariance. Entanglement entropy arises naturally as a way to characterize the defects and boundaries, and provides an effective tool for determining certain central charges appearing in the Weyl anomaly. I will discuss recent work on the holographic description of 4-dimensional BPS defects in 6-dimensional SCFTs arising from M5 branes.