

Miami Physics Conference 2022

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Title: Investigations in AdS/ML

Motivated by successful efforts at machine learning aspects of QCD, we apply these techniques to holography in large- N systems. In particular, we use neural networks to study the event horizons and apparent horizons of black branes within the context of holographic thermalization. We then employ restricted Boltzmann machines to compute out-of-time-ordered correlators in the SYK model. Finally, we comment on applications of these methods to investigate operator duals to supersymmetric black holes in AdS₅.