Complexity in a moving mirror model

Dr. Yoshiki Sato (Tohoku University)

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Google Meet: https://meet.google.com/tgv-wzqv-ayp

SC427, Science Building III, NYCU

Abstract: In a two-dimensional conformal field theory with a moving mirror, known as a moving mirror model, the time evolution of the entanglement entropy shows a Page like curve. This implies that the moving mirror model is useful to understand the island formula. In this paper, we study the time volution of the subregion CV complexity in the moving mirror model for a better understanding of he island formula of the complexity. In contrast to the entanglement entropy, the subregion CV complexity shows a peculiar behaviour. We discuss this behaviour in more detail.