CHENG GUO, Institute for Advanced Study

Entanglement Transformation via Local Operations and Classical Communication

We talk about the entanglement transformation rate between multipartite states via local operations and classical communication (LOCC). The structure of three qubit pure state systems will be shown. The entanglement transformation rate from GHZ to W is 1 via stochastic LOCC. Then, we will show, for a given set of pure states, how to find a state which can prepare any one of that set under LOCC. Some recent results will also be mentioned.