Yusuke Ide* (ide@kanagawa-u.ac.jp). Time averaged distribution of discrete time quantum walks on the path.

The discrete time quantum walk (DTQW) which is a quantum counterpart of the random walk (RW) plays important roles in various fields such as the quantum information theory. In my talk, based on [1], I focus on relationships between the time averaged limit distribution and spectrum of the time evolution operator of DTQWs on the (finite) path.