

1086-00-351

Clement B Ampadu* (drampadu@hotmail.com), 31 Carrolton Road, Boston, MA 02132.

Return Probability of the Fibonacci Quantum Walk.

In this paper the return probability of the one-dimensional discrete-time quantum walk is studied. We derive probabilistic formulas for the return probability related to the quantum walk governed by the Fibonacci coin.

Return Probability of the Fibonacci Quantum Walk. *Communications in Theoretical Physics* (2012), Volume 58, Number 2, pp 220-224 (Received August 23, 2012)