



Quantum Information Group Seminars

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TITLE: The staggered quantum walk

ABSTRACT:

The staggered quantum walk is a model defined by the product of local operators associated with two or more independent graph tessellations. This model encompasses several well-known discrete-time quantum walks, and inherits interesting features of the continuous-time quantum walk.

In this seminar, we introduce the model and explain its relation to the discrete-time quantum walk. The ideas for the physical implementation of the model and the corresponding application in quantum search algorithms are also discussed.

Place: The department council room (5th floor)

Date: Tuesday 18th of Mehr, 3:00 pm.