



**UNIVERSITÄT
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Operator Delocalization in Quantum Networks

I will introduce the notion of operator delocalization, to be contrasted with the more conventional notion of operator growth.

I will show that even free quantum mechanical systems, once defined on sufficiently connected networks, can exhibit non-trivial delocalization properties.

Some preliminary results, based on a current work in progress, on the connection between operator delocalization and quantum many-body chaos will be discussed.

**Wednesday, 29 June 2022,
09:00 via Zoom
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