

Forschungspraxis, Master's Thesis

[quantum] Realignment criterion and upper bounds in device-independent QKD

This paper uses the partial transpose as a tool to derive upper bounds on device-independent QKD

<https://arxiv.org/abs/2005.13511>

In this project the goal is to try to generalize the above to the other tools like the realignment criterion:

<https://arxiv.org/abs/quant-ph/0205017>

<https://arxiv.org/abs/0802.2019>

Prerequisites

basics of quantum information/quantum formalism

Advisors

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