



QUANTUM COMPUTING SEMINAR

Introduction to MBQC

By

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Abstract: Quantum teleportation is a basic protocol in quantum information science that harnesses many quintessential features of quantum theory. Here we introduce MBQC by making connections to quantum teleportation. We will show how basic quantum gates familiar from the so-called circuit model of quantum computation are performed in the measurement-based framework.

References: [arXiv:quant-ph/0508124](https://arxiv.org/abs/quant-ph/0508124)

Additional sources: [arXiv:quant-ph/0504097](https://arxiv.org/abs/quant-ph/0504097)

Date: Friday, November 4, 2022

Time: 14:30

Place: SA141 - Mathematics Seminar Room