Quantum Computing Seminar

Trading classical and quantum resources

By

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Abstract: The stabilizer rank of a pure quantum state is defined as the smallest integer m such that it can be expressed as a superposition of m stabilizer states. Combined with the magic states introduced by Bravyi and Kitaev, such a notion becomes especially useful because one can analyze the complexity of circuits composed of Clifford+T gates in terms of the stabilizer rank of the magic input state, which can be taken to be m tensor factors of the T magic state. References: arXiv:1506.01396

Date: Friday, April 14, 2023
Time: 14:30
Place: SA141 - Mathematics Seminar Room & ZOOM

To request the event link, please send a message to selman.ipek@bilkent.edu.tr