**On the minimum average communication cost of simulating nonlocal quantum correlations**

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In device-independent quantum information, Bell nonlocality is a particularly useful resource for various cryptographic applications. A (Bell-)nonlocal correlation is a correlation between two or more parties that cannot be reproduced by local hidden variable (LHV) models. However, with sufficient communication among parties, we would be able to simulate such nonlocal correlations classically. This suggests that the minimum average communication cost (MACC) for simulation is an appropriate measure of nonlocality. In this talk, I will consider the MACC of nonlocal correlations in two-party Bell scenarios. In particular, I will provide nontrivial lower bounds on the MACC based on information about the no-signaling and communication polytopes. I will also examine the relationship between MACC and other nonlocality measures such as nonlocality robustness and nonlocal content. Finally, I will describe the largest MACC lower bounds for quantum correlations that was observed in several Bell scenarios.