

**CORR 2001-04**

**quantum Networks for Concentrating Entanglement**

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**Abstract** If two parties, Alice and Bob, share some number,  $n$ , of partially entangled pairs of qubits, then it is possible for them to concentrate these pairs into some smaller number of maximally entangled states. We present a simplified version of the algorithm for such *entanglement concentration*, and we describe efficient networks for implementing these operations.