Abstract Submitted
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Measurement-Only Topological Quantum Computation via Tunable Interactions PARSA BONDERSON, Station Q, Microsoft Research — I examine, in general, how tunable interactions may be used to perform anyonic teleportation and generate braiding transformations for non-Abelian anyons. I explain how these methods are encompassed by the "measurement-only" approach to topological quantum computation. The physically most relevant example of Ising anyons or Majorana zero-modes is considered in detail, particularly in the context of Majorana nanowires.

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