

Abstract Submitted  
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**Fibonacci wires** ALEXEY SOLUYANOV, MATTHIAS TROYER, ETH Zurich — We show that models for one-dimensional quantum chains with local interactions can exhibit non-Abelian end modes, going beyond Kitaev's Majorana chain. We describe a model for a special case of  $SU(2)_k$  anyons, in particular Fibonacci anyons, and show how braiding of non-Abelian end modes can be done in networks of such chains.

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