

Abstract Submitted
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Matrix Product States for Chiral Topological Phases B. ANDREI BERNEVIG, Princeton University, BENOIT ESTIENNE, Jussieu University, NICOLAS REGNAULT, ENS Paris, YANGLE WU, Princeton University — I show how, using interacting conformal field theory, an MPS representation can be obtained for both the ground-state and the quasihole excitations of chiral topological states of matter. I show that the advance allows for the accurate calculation of quantities such as topological entanglement entropy and non-abelian braiding.

B. Andrei Bernevig
Princeton University

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