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**Edge States and Interferometers in the Pfaffian and anti-Pfaffian States** WAHEB BISHARA, California Institute of Technology, CHETAN NAYAK, Microsoft Station Q, UCSB — In this work we use two theoretical candidates for describing the  $\nu = 5/2$  Quantum Hall state, the Moore-Read Pfaffian and its particle-hole conjugate, to calculate the conductance of a two point contact interferometer in the weak tunneling regime. We invoke the appropriate edge theory and calculate the conductance as a function of temperature and voltage, and we establish the connection to the underlying bulk topological theory.

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