

Title

Thermal transport and the $\nu=5/2$ fractional quantum Hall edge

Abstract

Recent experiments have measured thermal conductance of the $\nu=5/2$ edge in a GaAs electron gas and found it to be quantized as $K \approx 5/2$ (in appropriate dimensionless units). This result is unexpected, as prior numerical work predicts that the $\nu=5/2$ state should be the anti-Pfaffian phase of matter, which should have quantized $K=3/2$. This talk will discuss the current experiments and the various proposed resolutions.