Zero-bias conductance peak from weak antilocalization in a Majorana nanowire

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We show [1] that weak antilocalization by disorder coexists with resonant Andreev reflection by Majorana zero-mode, both producing zero-voltage conductance peak of order $e^2/h$ in a superconducting nanowire. The peak is widely believed to be the smoking gun signature of the Majorana zero-mode [2], its observation has been reported [3]. We identify methods to distinguish the Majorana resonance from the weak antilocalization effect.