

Supplemental Material: Magnetization reversal of an individual exchange-biased permalloy nanotube

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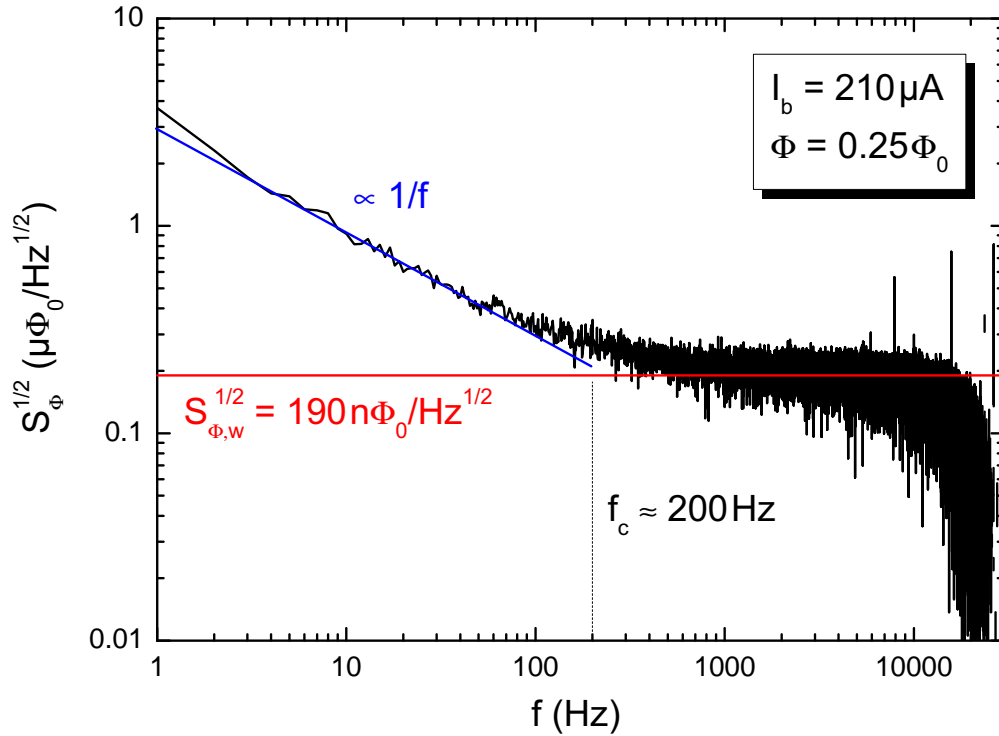


FIG. 1. Spectral density of rms flux noise, measured for Nb nanoSQUID at $T = 4.2$ K in magnetically and electrically shielded environment at optimum bias current I_b and applied flux Φ . The horizontal line indicates the level of white noise $S_{\Phi,w}^{1/2}$. The line approximating the data at lower frequency indicates the $1/f$ noise. The vertical dashed line indicates the corner frequency f_c .