

Levitons and anti-levitons in graphene

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Supporting information to the main text

The following describes the animations that accompany the text.

Animation 1:

This animation supports Fig. 3 of the main text. It describes the case when $\alpha = 0.4$ and the applied field is $B = 5mT$.

Animation 2:

This animation supports Fig. 4 of the main text. It describes the case when $\alpha = 0.4$ and the applied field is $B = 2.5T$.

Animation 3:

This animation supports Fig. 5 of the main text. It describes the case when $\alpha = 0.4$ and the applied field is $B = 6.5T$. The levity vortex can be seen.

Animation 4:

This animation supports Fig. 7 (a) of the main text. It describes the case when $\alpha = 1$ and the applied field is $B = 5mT$.

The next series of animations are for when the energy of the Leviton is constant and the step potential is changed each time, with $B=5mT$.

Animation 5: $\alpha = 5/2$

Animation 6: $\alpha = 5/3$

Animation 7: $\alpha = 5/4$

Animation 8: $\alpha = 5/5$

Animation 9: $\alpha = 5/6$

Animation 10: $\alpha = 5/8$

Animation 11: $\alpha = 5/10$

Animation 12: $\alpha = 5/12$

Animation 13: $\alpha = 5/20$