

Publication list: Igor Herbut

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72. **I. Herbut, C.-K. Lu**, *Spectrum of the Dirac Hamiltonian with the mass-hedgehog in arbitrary dimension*, Physical Review B **83**, 125412 (2011)
71. **V. Juricic, O. Vafek, I. Herbut**, *Conductivity of interacting massless Dirac particles in graphene: collisionless regime*, Physical Review B **82**, 235402 (2010)
70. **C.-K. Lu, I. Herbut**, *Pairing symmetry and the vortex zero-mode for superconducting Dirac fermions*, Physical Review B **82**, 144505 (2010)
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59. **I. Herbut, V. Juricic, O. Vafek, M. Case**, Comment on "*Minimal conductivity in graphene: interaction corrections and ultraviolet anomaly*", preprint, [arXiv:0809.0725](https://arxiv.org/abs/0809.0725)
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57. **I. Herbut and B. Roy**, *Quantum critical scaling in magnetic field near the Dirac point in graphene*, Physical Review B **77**, 245438 (2008)
56. **V. Juricic, I. Herbut, and Z. Tesanovic**, *Restoration of the magnetic hc/e -periodicity in unconventional superconductors*, Physical Review Letters **100**, 187006 (2008)
55. **I. Herbut, V. Juricic, and O. Vafek**, *Coulomb interactions, ripples, and the minimal conductivity of graphene*, Physical Review Letters **100**, 046403 (2008)
54. **I. Herbut**, *$SO(3)$ symmetry between Neel and ferromagnetic order parameters for graphene in magnetic field*, Physical Review B **76**, 085432 (2007)
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