



## BIBLIOGRAPHY

- Ashcroft N.W., and Mermin, N.D., 1976, *Solid State Physics*, Harcourt, United States of America.
- Brey L., and Fertig H.A., 2006, Electronic States of Graphene Nanoribbons Studied with the Dirac Equation, *Phys. Rev. B* 73, 235411.
- Datta S., 1995, *Electronic Transport in Mesoscopic Systems*, Cambridge University Press, Cambridge, United Kingdom.
- Fertig H.A., Brey L., and Raza H, 2012, *Mesoscopic in Graphene: Dirac Points in Periodic Geometries, Graphene Nanoelectronics*, Springer, Berlin, Germany.
- Frolov S., 2013, *Quantum Transport, Lecture 5: Ballistic Transport*, [https://www.youtube.com/watch?v=sh\\_8mh\\_e2H8](https://www.youtube.com/watch?v=sh_8mh_e2H8)
- Kirczenow G., Ihnatsenka S., and Raza H., 2012, *Exploring Quantum Transport in Graphene Ribbons with Lattice Defects and Adsorbates, Graphene Nanoelectronics*, Springer, Berlin, Germany.
- Kittel C., 1996, *Introduction to Solid State Physics*, John Willey & Sons, Canada.
- Koonin S. E., 1990, *Computational Physics Fortran Version*, Addison-Wesley Publishing Company Inc, Canada.
- Kuzmenko A. B., Heumen E. van, Carbone F., and Marel D. van der, Universal Optical Conductance of Graphite, 2008, *Phys. Rev. Lett.* 100, 117401.
- Low T., and Raza H., 2012, *Graphene pn Junction: Electronic Transport and Devices, Graphene Nanoelectronics*, Springer, Berlin, Germany.
- McCann E., and Raza H., 2012, Electronic Properties of Monolayer and Bilayer Graphene, *Graphene Nanoelectronics*, Springer, Berlin, Germany.
- Mihály L., and Martin M.C., 1996, *Solid State Physics: Problems and Solutions*, John Willey & Sons, Canada.
- Novoselov K. S., Geim A. K., and Morozov S. V., Jiang D., Zhang Y., Dubonoz S. V., Grigorieva I. V., and Firsov A. A., 2004, Electric Field in Atomically Thin Carbon Films, *Science* 306, 666.



Raza H., 2012, *Graphene Nanoelectronics*, Springer, Berlin, Germany.

Ryndyk D. A., 2014, *Landauer-Büttiker Method*, Lecture Paper.

Sentef M., Kollar M., and Kampf A. P., 2012, DC Conductivity of Graphene with Disorder, *arXiv:1203.2216*, *cond-mat-mes-hall*.

Wakabayashi K., and Raza H., 2012, *Electronic Properties of Graphene Nanoribbon*, *Graphene Nanoelectronics*, Springer, Berlin, Germany.

Yuan S., Raedt H. D., and Katsnelson M.I., 2010, Modelling Electronic Structure and Transport Properties of Graphene with Resonant Scattering Centers, *Phys. Rev. B* **82**,115448.