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VEDECKÝ SEMINÁR

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Comparison of conduction in different types of graphene and carbon nanotube networks

Abstract

We point out [1] the remarkable analogies (but also significant differences) between electronic conduction in thin single-wall carbon nanotube networks and in graphene prepared by different methods. We analyze the temperature and electric - field dependence of conductivity to identify the conduction processes occurring and the roles played by disorder, in order to clarify the reasons for the similarities and differences.

[1] A.B. Kaiser and V. Skákalová, *Chem. Soc. Rev.*, **40**, 3786 (2011).