

Abstract Submitted
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Hydrodynamic approach to transport in graphene RAFI BISTRITZER, ALLAN MACDONALD, University of Texas at Austin — Exploiting the strong electron-electron interactions in graphene we construct a hydrodynamic theory in which the carrier dynamics is described by three parameters: the electronic temperature, the chemical potential and the drift velocity. We use this theory to describe both linear and non linear transport in graphene.

Rafi Bistritzer
University of Texas at Austin

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