

## Carrier mobility for acoustic phonon scattering in 2D extrinsic graphene

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We study carrier mobility of 2D extrinsic graphene by acoustic phonon scattering as a function of temperature ( $T$ ) and carrier density ( $n$ ). We calculate inverse relaxation times ( $\tau$ ) as a function of energy for different temperatures and resistivity ( $\rho$ ) as a function of temperature for different densities ( $n$ ).

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