

Abstract Submitted
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Magneto-transport study of band structure of tri-layer graphene

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We have studied magneto-transport of high-quality tri-layer graphene samples. It has been observed Shubnikov-de Haas oscillations with two different frequencies that corresponded to two bands in tri-layer graphene. Detailed analysis of gate voltage dependence of the frequencies showed that sum of the carrier density for each band gave approximately the nominal carrier density tuned by the gate voltage. From temperature dependence of magnitude of the oscillation we have estimated cyclotron masses.

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