

Abstract Submitted  
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**Magneto-Response Of Graphene** N.J.M. HORING, Stevens Institute of Technology, V. FESSATIDIS, Fordham University, J.D. MANCINI, Kingsborough College of CUNY — We determine the dielectric polarizability of graphene in a perpendicular magnetic field inducing Landau quantization, taking account of arbitrary temperature dependence. The result is expressed in terms of a tractable integral representation involving only elementary functions (which generate the Landau-quantized eigenfunction representation).

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