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Graphene in Anti deSitter space

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In this work,we study the (2+1) dimensional massless dirac equation within a uniform magnetic field in the commutation relations of the Anti deSitter space.Firstly, we solved the system in order to obtain the energy eigenvalues and the corresponding wave function as Jacobi polynomials by using the Nikiforov-Uvarov method, we find the findings have been affected by the studied deformation of the space AdS which has a hard confinment for large values of n (the quantum number)

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