

Magnetic Properties of graphene/BN/Co

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Magnetic properties of graphene/BN/Co(111) have been explored using density functional theory. In this work, we have employed both semi empirical and non-local van der Waals functional methods . It is found that the buckling geometry in BN layer is induced due to Co substrate and this results in enhanced adsorption of graphene on BN/Co(111). In addition, we have found that the graphene/BN/Co(111) can be applied for potential spintronics applications.