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Computational simulations of graphene and carbon nanotubes

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Abstract content
 (Max 300 words)

Molecular dynamics simulations are used to study the relative stability of graphene and carbon nanotubes. The formulation of the Tersoff bond-order potential was used to investigate the energetic stabilities and thermodynamics properties through a range of temperature. The structural properties were studied using the radial distribution effects functions. The thermodynamics effects were studied using the energy-temperature plots. Similarities and differences in graphene and carbon nanotubes are discussed.

Apply to be < br > consider for a student < br > award (Yes / No)?

YES

Level for award

- (Hons, MSc,

- PhD)?

MSC

Main supervisor (name and email)

-and his / her institution

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Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

NO

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