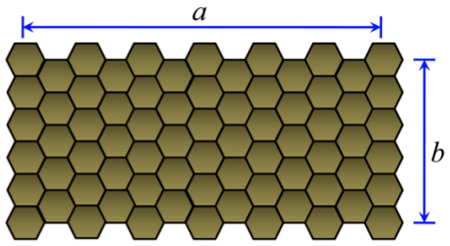

Figure 1 Rectangular single-layered graphene sheet (SLGS).

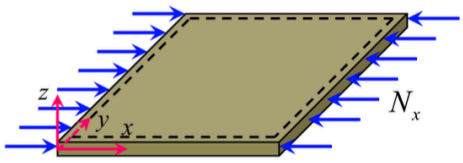

Figure 2 Rectangular nanoplate with all edges simply supported subjected to axial compression.

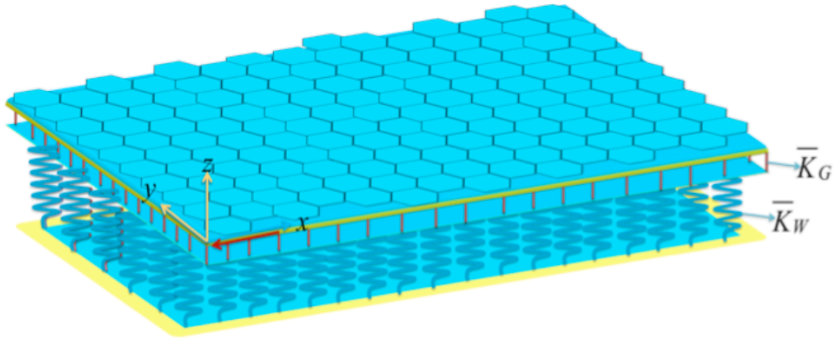

Figure 1 rectangular nanoplate embedded in an elastic medium

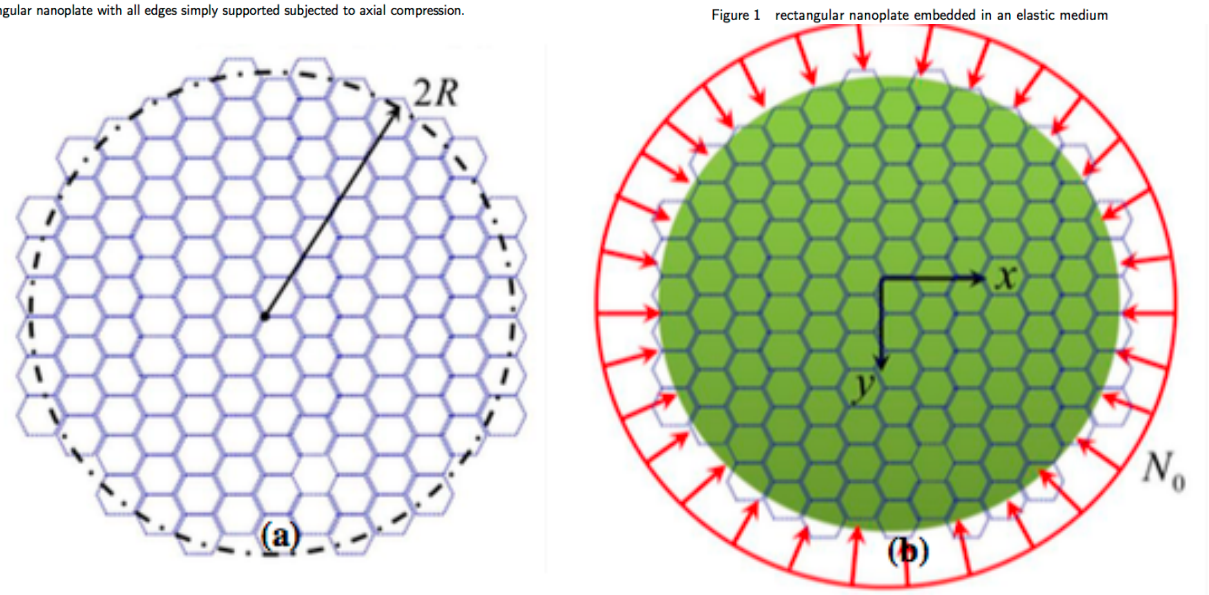

Figure 1: (a) Discrete model for the circular graphene sheet (b) Continuum plate model for the circular graphene sheet under uniform radial compression.

Upper left double image is from: Mohammadi, M., Asemi, S.R., Farajpour, A.: A study on the nonlinear stability of orthotropic single-layered graphene sheet based on nonlocal elasticity theory. Lat. Am. J. Solids Struct. 11, 1541–1564 (2014)
Upper right image is from: M. Mohammadi, A. Moradi, M. Ghayour and A. Farajpour, "Exact solution for thermo-mechanical vibration of orthotropic mono-layer graphene sheet embedded in an elastic medium", Latin American Journal of Solids and Structures", Vol. 11, pp 437-458, 2014
Lower double image is from: Saeid Resa Asemi, Ali Farajpour, Mehdi Borghei and Amir Hessam Hassani, "Thermal effects on the stability of circular graphene sheets via nonlocal continuum mechanics. Lat. Am. J. Solids Struct. 11, 704–724 (2014)

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