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Nonlinear dynamic responses of triple-layered graphene sheets under moving particles and an external magnetic field

H.B. Li, X Wang, J.B. Chen

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#### ACCEPTED MANUSCRIPT

### Highlights

- Nonlinear dynamic behaviors of triple-layered graphene sheets under moving particles and magnetic field.
- The increase of magnitude of magnetic field could decrease the transverse displacement under the same condition.
- Scale effect also has a significant effect on the transverse displacement, especially for the solution during free vibration.



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