Accepted Manuscript

Computational analysis of particle reinforced viscoelastic polymer nanocomposites – statistical study of representative volume element

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PII: S0022-5096(17)30912-2 DOI: 10.1016/j.jmps.2018.02.013

Reference: MPS 3287

To appear in: Journal of the Mechanics and Physics of Solids

Received date: 13 October 2017 Revised date: 25 January 2018 Accepted date: 23 February 2018



Please cite this article as: Anqi Hu, Xiaolin Li, Amin Ajdari, Bing Jiang, Craig Burkhart, Wei Chen, L. Catherine Brinson, Computational analysis of particle reinforced viscoelastic polymer nanocomposites – statistical study of representative volume element, *Journal of the Mechanics and Physics of Solids* (2018), doi: 10.1016/j.jmps.2018.02.013

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Highlights

- Determined the RVE size and number of realizations for polymer nanocomposites
- Investigated the influence of volume fraction and dispersion on the RVE size
- Proposed RVE selection strategy based on computation cost and other considerations



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