

Interactive comment on “Effect of Disorder on Bulk SoundWave Speed : A Multiscale Spectral Analysis” by Rohit Kumar Shrivastava and Stefan Luding

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1 Anonymous Reviewer 1

1.0.1 Reviewer’s Comment 1

The authors have presented interesting results of a numerical study on wave propagation through a precompressed mass disordered granular chain. The paper is reasonably well written and is worth to be published.

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1.0.2 Author's Response

NPGD

The authors would like to thank the reviewer for the motivational comments and the recommendation for the paper to be published.

1.0.3 Reviewer's Comment 2

Interactive comment

Typographical mistakes and other minor corrections

1. Page 11 string 9 “. . .the shape of the distribution (h)as no effect. . .”
2. Page 17 string 8 Figure ??
3. Page 20 string 13 “. . .far away from the source (Fig (probably, Eq.) 41 and Table 6).”

1.0.4 Author's Response

Typographical mistakes have been taken into account and corrections have been made as highlighted by the reviewer.

1.0.5 Author's changes in manuscript

1. “. . .the shape of the distribution has no effect. . .”
2. “. . .Figure 10 shows the participation. . .”
3. “. . .far away from the source (Fig. 6 and Table 6). The group velocity given by Eq. (45) also shows decrease in wave-speed with increase in disorder.”

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