

# ***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.

C1

### 1.0.2 Author's Response

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

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.”