



Interactive  
Comment

# ***Interactive comment on* “Impact of rockfalls on protection measures: an experimental approach” by J. Yuan et al.**

**J. Yuan et al.**

li.dennis@hotmail.com

Received and published: 11 March 2015

The authors would like to thank the reviewer for his valuable comments and suggestions. All comments have been considered during this revision (please see the followings).

About Figures:

1. A scale have been added for Fig.4, which includes the full dimensions of the specimens (see the revised Fig. 4).
2. The titles of both X and Y axes in Fig.5(a), (b) and (c) have been added.
3. The words “Square” and “Cylinder” in Fig.10 have been changed into “Cubic” and

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



“Cylindrical” respectively.

4. The “Square” has been changed into “Cubic” in in Fig. 12(a), (b), and (c).

5. The title of Y axis in Fig. 12 (c) has been changed into impact velocity.

About words:

1. The word “gasp” have been corrected as “grasp” (see line 19 in page 340).

2. The “(/)” after the word lengths have been cancelled (see line 13 in page 343).

3. The word “are” have been corrected as “is” (see line 21 in page 343).

4. The word “effect” have been corrected as “affect” (see Line 23 in page 343).

5. The word “is” have been corrected as “are” (see Line 5 in page 347).

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/3/C172/2015/nhessd-3-C172-2015-supplement.pdf>

---

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 337, 2015.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



Interactive  
Comment

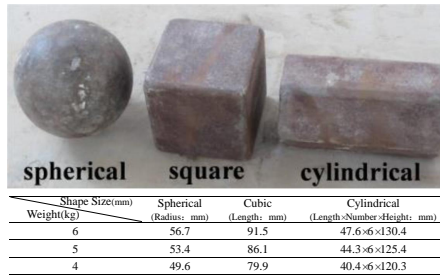


Figure 4. Shapes and dimensions of the falling specimens

Fig. 1.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



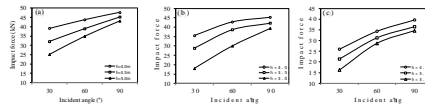


Figure 5. Measured impact force vs. incident angle for samples of different weights: (a) sample weight = 6 kg; (b) 5 kg; and (c) 4 kg.

Fig. 2.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



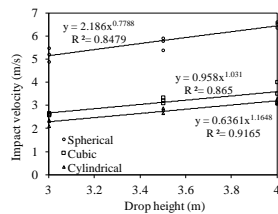


Figure 10. Positive exponential correlation between impact velocity (v) and drop height (h).

Fig. 3.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



## Interactive Comment

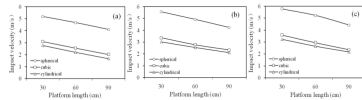


Figure 12. Influence of platform length on the impact velocity of rockfalls of different shapes and weights: (a) 6 kg; (b) 5 kg; and (c) 4 kg.

Fig. 4.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

