REVIEWS ON THE MANUSCRIPT [29]

Reviewer 1:

Please give your report some more structure by putting the material into sections. At the same time you could make your introduction slightly more professional.

You have very high uncertainty in your measurements of the critical curvature. Could you elaborate why?

You propose that you are working on the vertical fall exclusively. However, you explain that what actually breaks the spaghetti is bending. How do you think does bending depend on the angle under which the spaghetti impacts the floor?

You assume that breaking spaghettis can only be described by probabilities, at the same time you say that random factors influence the breaking process. Why, as a result, is it not possible to describe the conditions, of course with a certain deviation (due to the randomly distributed imperfections of the spaghetti)?

Please think through your argumentation why mass does not make a difference on the force at the impact once more – you have mass in both expressions for the force.

Please elaborate on why you assume that the speed of spreading of a **bending** wave is equal to that of sound in the material.

How could you extend you analysis in order to also cover the cases between 0 and 90 ° inclination when hitting the floor?

Your report was a good read, but for publishing you should professionalize the style.

Reviewer 2:

This paper has little or no structure. The text is frustrating to read with lots of irrelevant stuff and bad jokes.

There are no references for quantities stated.

No references.

In figure 1 the presented theory would give a linear relation

$R \approx 9\,d$ using the stated values for the critical relative stretch.. The line in the figure fitted to experimental values gives something like $R = 40\,d$. Yet the author claims that his theoretical model is confirmed.

In the formula below figure 4, the impact force F clearly depends on mass.

Thus mass cannot be neglected although the gravitational force is negligible.

The paper is not presented in an acceptable way.

I do not recommend this paper.