

N.	Status	Reviewer	Line(s)	Observation	Action	Comments
	✗→To-Do ■→In Progress ✓→Reviewed					
1	✓	1	title	The title should be changed: terms <i>debond-debond</i> and <i>debond-free</i> are not mentioned in the text, only in the title.	Changed	The expressions <i>debond-debond</i> and <i>debond-free boundary</i> are in effect mentioned only in the title. They were meant to be synthetic expressions to summarize the two main points of discussion of the paper. In order to avoid confusion and clarify the message of the article, the expressions <i>debond-debond</i> and <i>debond-free boundary interactions</i> have been changed to <i>effect of the fiber volume fraction and of the distance to the free surface and to non-adjacent debonds</i> .
2	✓	1	78	The authors used <i>square packing of fibers</i> (Line 78). This should be commented since other patterns are also used - the authors themselves refer to results for <i>a hexagonal cluster</i> (Line 71).	Added	Added comment motivating the choice of a square-packing configuration.
3	✓	1	177-178	Lines 177-178: <i>Due to its appearance, frictionless contact is considered between the two crack faces to allow free sliding and avoid interpenetration</i> . The strength of this assumption and its effect on the obtained results should be discussed.	Added	Added discussion on the limits of the assumption of frictionless contact.
4	✓	1	196-197	Lines 196-197: <i>it is assumed that their response lies always in the linear elastic domain</i> . The level of maximum local strains for cases with high volume fractions of fibers could justify (or not) this assumption.	Added	A discussion of the strength of this assumption is proposed based on previous works available in the literature.
5	✓	1	359	Line 359: <i>101st</i> and <i>201st</i> instead of <i>101th</i> and <i>201th</i> .	Changed	

6	✓	1	487	Line 487: <i>The fiber volume fraction is the same everywhere</i> is misleading since a range of this parameter was studied.	Changed	The authors agree on the misleading meaning of the sentence as it was formulated. It has been changed to <i>In each RUC, the fiber volume fraction is spatially homogeneous (no fiber clustering is considered)</i> in order to emphasize that the subject is the homogeneity of the fiber volume fraction in each RUC.
7	✓	1	491-494	Conclusion 1 (Lines 491-494) should also provide some idea on the magnitude of this <i>characteristic distance between debonds which defines the transition to a non-interactive solution</i> , mentioning also that it was <i>outside the range studied</i> (Line 384).	Added	Completed the paragraph with 3 representative examples showing the expected critical distance of the interactive/non-interactive transition for different combinations of thickness and fiber volume fraction.
8	✓	2	199-215	although in Section 2.4 the authors present a successful model validation, it would be useful for the reader to mention the amount of degrees of freedom the developed model requires.	Added	Added comments about the number of degrees of freedom per node, number of nodes per element and total number of elements in Section 2.3, where it seems more appropriate as all the details related to the technical implementation are reported here.