

| N. | Status ✗→To-Do ■→In Progress ✓→Reviewed | Reviewer | Line(s) | Observation | Action | Comments |
|----|--|----------|---------|---|---------|--|
| 1 | ✓ | 1 | title | The title should be changed: terms debond-debond and debond-free 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</i> and <i>of the distance to the free surface</i> and to <i>non-adjacent debonds</i> . |
| 2 | ✗ | 1 | 78 | The authors used square packing of fibers (Line 78). This should be commented since other patterns are also used - the authors themselves refer to results for a hexagonal cluster (Line 71). | | |
| 3 | ✗ | 1 | 177-178 | Lines 177-178: Due to its appearance, frictionless contact is considered between the two crack faces to allow free sliding and avoid interpenetration. The strength of this assumption and its effect on the obtained results should be discussed. | | |
| 4 | ✗ | 1 | 196-197 | Lines 196-197: it is assumed that their response lies always in the linear elastic domain. The level of maximum local strains for cases with high volume fractions of fibers could justify (or not) this assumption. | | |
| 5 | ✓ | 1 | 359 | Line 359: 101st and 201st instead of 101th and 201th. | Changed | |
| 6 | ✗ | 1 | 487 | Line 487: The fiber volume fraction is the same everywhere is misleading since a range of this parameter was studied. | | |
| 7 | ✗ | 1 | 491-494 | Conclusion 1 (Lines 491-494) should also provide some idea on the magnitude of this characteristic distance between debonds which defines the transition to a non-interactive solution, mentioning also that it was outside the range studied (Line 384). | | |
| 8 | ✗ | 2 | title | 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 that have been considered in the model. | | |