

# Revision: Response to reviewer

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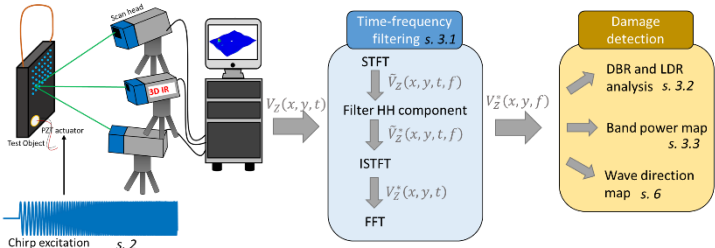
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**Dear Reviewer,**

The authors would like to appreciate your time and kind efforts to evaluate this paper and acknowledge your valuable comments advising us of its shortcomings and inspiring us to enhance its quality. Detailed answers to your comments are provided below and the manuscript has been altered where necessary. The changes are highlighted in **yellow** in the revised manuscript. We believe the following answers and the revised manuscript cover your points of concern appropriately.

| Response to the comments of Reviewer 4                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                               |
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| Comment of the reviewer                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Reply of the authors                                                                                                                                                                                                                                          |
| In this study, artificial delaminations embedded in cross-ply carbon fiber reinforced polymer (CFRP) plate is determined by using the short-time-Fourier transformation combined with bandpass filtering in the time-frequency domain. Although the topic and analyzed tools are not novel, the paper combined well and clear presents on the research-field outcome. In reviewer's opinions, the paper can be accepted before minor revision. Some drawbacks can be improvement in this manuscript. |                                                                                                                                                                                                                                                               |
| (1) In text, the word "manuscript" should be revised as "paper" or "study". After publication, this paper is formally academic achievement. It has to show the specialty.                                                                                                                                                                                                                                                                                                                            | The word 'manuscript' is changed to 'study' (see for instance line 39).                                                                                                                                                                                       |
| (2) In the last paragraph on Section I. Introduction, from line 84-92, the description is redundant. It can be deleted to save the pages.                                                                                                                                                                                                                                                                                                                                                            | The last paragraph deleted and replaced by the following text and figure:<br>The different steps of the damage detection procedure discussed in this paper are schematically shown in Figure 1. For each step, the corresponding section number is indicated. |

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|                                                                                                                                                                                                        |  <p><b>Figure 1:</b> Schematic overview of all steps in the damage detection procedure.</p> <p>This figure was also added in response to a comment from reviewer 1.</p> |
| <p>(3) In Figure 2(c), the diminishing waveform (red line) is hard to understand for what meant the authors presented. They are not overlapping with the peak or dip of blue lines or green lines.</p> | <p>Some additional explanation of the colour is added to the text in lines 144,146.</p>                                                                                                                                                                   |
| <p>(4) The conclusion is too long to miss the focal contribution in this paper.</p>                                                                                                                    | <p>The conclusion is rewritten in response to the comment of the reviewer. It is now considerably shorter: see lines 388-417.</p>                                                                                                                         |