

## ***Interactive comment on “An Automated Technique for Damage Mapping after Earthquakes by Detecting Changes between High-Resolution Images” by Tianyu Ci et al.***

### **Anonymous Referee #1**

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This paper aims to develop a new method to quickly assess building damage after major disasters. The topic of this paper met the scope of NHESS well and the structure is clear. However, I have a few concerns as listed below: 1) The abstract is too simple, it does not give what is novel (new) in theory and/or methods. Please contain at least one sentence for objective/hypothesis, purpose/aim, experimental material, method of investigation, data collection, result and conclusions. 2) Please modify the flow-chart to include key algorithms of this proposed method. Also, check the typo: “Image processing”. 3) The results and discussion should be parallel and divided into two separate sections. 4) The language may be improved by a native speaker, as some sentences sounds awkward. Eg. page 4 line 139-140, page 12 line 305, page 13 line

353, et al.

Specific comments: Page 13 line 351, where is the link? Cannot find either here nor in the references. Page 14 lines 368-369. This sentence is strange. I would wonder why not write your program that way? Figure 10. Why not combine (a) and (b), as (b) has very few information to show. Also consider (d) as an inset of (c).

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