

Dear editors and reviewers,

The current submission to IEEE Access is an extended version of our preliminary study titled “disp2ppg: Pulse Wave Generation to PPG Sensor using Display” presented in the 2021 ACM International Symposium on Wearable Computers (ISWC2021). In the 4-page conference paper for short paper, we experimented with the combination of four smartwatches and three displays and the combination of one smartwatch and four displays to evaluate the proposed method within a limited heart rate range.

The current submission to IEEE Access, however, includes the conditions and flow of our evaluation experiments in detail, the evaluation experiments we performed with the combination of five smartwatches and four displays, experiments within a wider heart rate range than that of our previous paper, and the results of our analysis of the raw pulse wave data.

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Therefore, these two papers are very substantially different, and we hope this paper is considered for publication in IEEE Access.

Thank you for your consideration.

Sincerely,

Kazuya Murao

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