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Interactive comment

Interactive comment on "Research on real-time elimination of UWB radar ranging abnormal value data" *by* Xin Yan et al.

Anonymous Referee #1

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1.The language of the manuscript is fluent and the structure is reasonable. 2.It is useful to improve the accuracy through machine learning method. This manuscript studies the ranging accuracy of UWB radar. There are many problems in the current UWB radar ranging, the most important one is that the environment affects the ranging accuracy. 3.In this manuscript, the experimental analysis and research on the ranging data of the UWB radar indoor positioning system were carried out. The abnormal value was detected based on the Gaussian function. 4.The results showed that the distance measurement error obtained is nearly 50% lower than the peak and mean distance measurement errors.

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[Discussion paper]