











on positioning (2) step-by-step signal source optimization and positioning algorithm optimization, improve the efficiency of the use of the signal source and improve the positioning accuracy. The simulation results show that the latter two algorithms can optimize the data from the perspective of data error distribution, so that the ideal positioning effect can be obtained.

The positioning scheme proposed in this paper can achieve better positioning effect in the ideal state, but it is necessary to further improve and study the aspects that need to be promoted until there is some need to be promoted.

(1) the realization of the positioning program module, this paper is the study of the whole process of the program, the latter need to be assembled into the corresponding module of the corresponding positioning system, so that can be independently run on smart phones, high-precision real-time positioning

(2) In order to better eliminate the impact of Bluetooth signal fluctuations, the follow-up need to obtain more Bluetooth signal data on the source of quality assessment, the development of more detailed signal compensation program.

(3) in the follow-up study can be considered to join the smart phone gyroscope, accelerometer and other combination of positioning; and at the same time consider the positioning side to achieve three-dimensional map display, to the user a more realistic experience to meet the timelier positioning needs and direction to identify.

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