

عنوان مقاله:

A New Iterative Position Finding Algorithm Based On Taylor Series Expansion

محل انتشار:

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خلاصه مقاله:

This paper deals with the problem of estimating the position of emitters using only direction of arrival information. We propose an improvement of newly developed algorithm for position finding of a stationary emitter called sensitivity analysis. The proposed method uses Taylor series expansion iteratively to enhance the estimation of the emitter location and reduce position finding error. Simulation results show that our proposed method makes a great improvement on accuracy of position finding with respect to sensitivity analysis method.

کلمات کلیدی:

position finding, direction of arrival, sensitivity analysis, Taylor series expansion

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