An Extended Solution For Radar Theorem

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ABSTRACT

Radar systems play an important roles in both defense system and civil applications. The theorem and application of Radar systems are investigated in this thesis. In order to have the extanded solution of radar tracking problems, We design a completed tracking procesure that including an extended kalman filter, data association algorithm, and maneuvering detection and estimation algorithms. In order to working one simulation procedure is developed. According to the simulation results, the performace of the proposed algorithm works quite well and the extended solution for Radar tracking problems is obtained based on this approack.

Keywords : Filtering Technique ; Radar Target Tracking System

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