The Research of A Smoothing Estimator for Radar Target Tracking

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ABSTRACT

Radar target tracking system plays very important role in defense systems.It needs to recognize the targets of enemy and to track such targets accurately.In order to raise the tracking accuracy,recomputing the data of history and smoothing the trajectory are necessary.It will offer the tracking system more capability to enhance its performance. However,it may need a lot of memory to handle this task.In this thesis,one new method based on neurad network computation algrithm is imvestigated. It will reduce the necessary memory and still can keep almost completed trajectory.This method will enhance the power of radar tracking systems

Keywords : Radar target tracking system ; smoothing the trajectory ; neural network

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