An Adaptive Tracking Algorithm for Multiple Maneuvering Targets

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ABSTRACT

In the thesis, most tracking situations are investigated. Data association algorithm combined with an adpative tracking is used to perform the tracking system, considered both tracking environment foctor and kinematic quantities. When target an adaptive procedure and maneuvering detection algorithm are developed to solve these problems. Simulations results show that this algorithm can greatly improve the tracking accuracy. Such achievement will offer alot of contributions for the navigation systems.

Keywords : Data Association Technique ; Adaptive Procedure ; Detection Algorithm.

Table of Contents

REFERENCES

0