[1]杜太行,王显清,陈国栋.一种基于矢量欧氏距离的空中目标决策融合算法[J].弹箭与制导学报,2012,1:201-204.

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Title: One Decision Fusion Algorithm for Aerial Target Based on Euclidean Distance

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关键词: 目标识别; 信息融合; D S理论; 欧氏距离

Keywords: target identification; information fusion; D S evidence theory; Euclidean distance

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摘要: 为消除传统D S证据理论在战场条件下存在的不足，文中结合战场环境信息融合的背景特点和特殊要求，从应对实时性和融合精度的要求上同时出发，引进了一种基于矢量欧氏距离的新融合算法。通过数值仿真结果表明，该算法可行。

Abstract: To solve the problems of traditional d s theory under battlefield condition, in view of the background characteristics and special requirement of information fusion in battlefield environment, a new fusion algorithm was proposed to meet the requirements of real time as well as accuracy. That Algorithm is based on the thought of Euclidean distance between vectors. The numerical simulation results show that the algorithm is feasible.

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备注/Memo: 收稿日期：2011-03-19 作者简介：杜太行（1963-），男，河北石家庄人，教授，博士生导师，研究方向：计算机智能控制与工程应用。