

博士论坛

基于AIN信息融合方法的应用研究

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摘要 信息融合技术是一种集成多个传感器数据以获得更加精确的检测和识别结果的技术。如何有效地集成多源检测数据以充分发挥各种检测数据的作用, 从而获得最好的检测和识别结果, 仍然是信息融合技术应用的关键问题, 引起了人们广泛的关注和探索。提出采用人工免疫网络 (Artificial Immune Network, AIN) 作为模式识别领域中信息融合技术的融合算法, 并做出了初步的尝试, 两个实验证明了AIN作为信息融合算法的可行性和有效性。

关键词 [信息融合](#) [人工免疫网络](#) [对象检测与识别](#)

分类号

Application research of information fusion technology based on AIN

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Abstract

Information fusion technology is a new method to integrate and manage multi-sensor data in order to obtain a more accurate detection or identification. How to integrate these multi-sources data together to obtain better results in pattern recognition area still remains a difficult problem, which is abstracting wide attention and researching. In this paper, Artificial Immune Network (AIN) is afforded as an information fusion algorithm. A preliminary attempt is given, and the results of two experiments show that this attempt is practicable and effective.

Key words [information fusion](#) [Artificial Immune Network \(AIN\)](#) [object detection and identification](#)

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