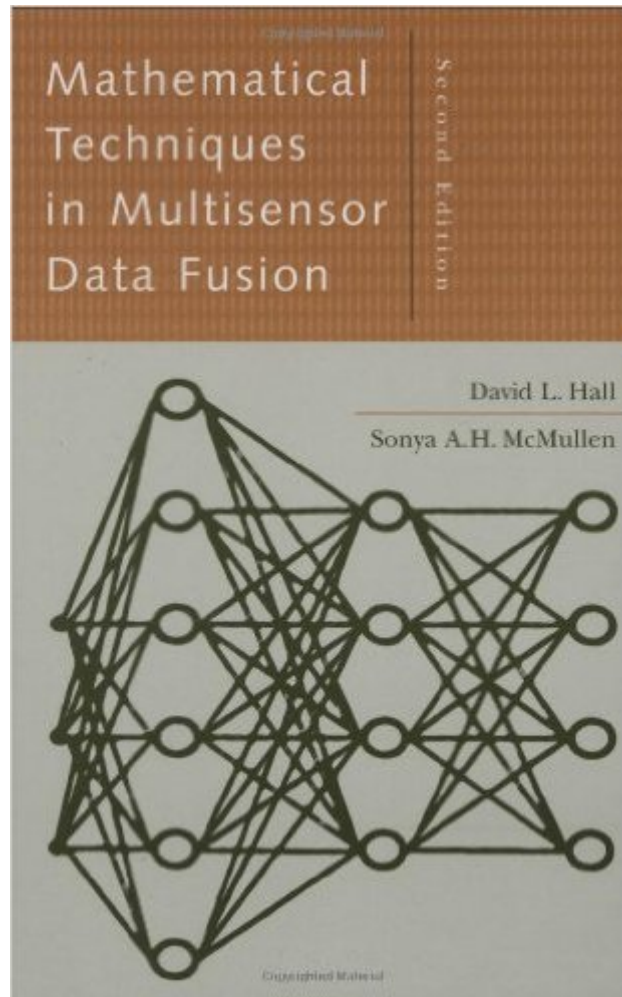# Mathematical Techniques In Multisensor Data Fusion (Artech House Information Warfare Library)

Synopsis

Since the publication of the first edition of this groundbreaking book, advances in algorithms, logic, and software tools have transformed the field of data fusion. The latest edition covers these areas as well as smart agents, human computer interaction, cognitive aides to analysis, and data system fusion control. Besides aiding you in selecting the appropriate algorithm for implementing a data fusion system, this book guides you through the process of determining the trade-offs among competing data fusion algorithms, selecting commercial off the shelf (COTS) tools, and understanding when data fusion improves systems processing. Completely new chapters in this second edition explain data fusion system control, DARPAÃ ’s recently developed TRIP model, and the latest applications of data fusion in data warehousing and medical equipment, as well as defense systems.

Book Information

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Customer Reviews

This is a good overall review of the subject. Contrary to what the title says, the book is very light on math. If you want to do serious work in this area, you'll need some more in depth references, but this book gets you started, and points you to the references you'll need.

THIS TEXT IS GREAT TO FIND OUT WHERE YOU NEED TO GO TO FIND TOPICS IN DATA FUSION BUT LACKS THE ACTUAL CONTENT OF WHAT IS IMPLIED... THAT IS THE MATH

FOR THE DATA FUSION... KIND OF MISLEADING BUT IT COVERS ALL KINDS OF TOPICS I HAVE NEVER HEARD OF BEFORE UNTIL I READ THIS TEXT. - NOW I KNOW WHERE TO FIND THEM AND WHAT IT IS CALLED.

Definitive text book based on the JDL fusion model. Dr. Hall was an excellent scientist. He will be missed.

Ordered for work - evidently it was exactly what the guys needed.

This is a well written reference book that clearly describes the mathematical aspects of multisensor data fusion. It can be used effectively by experts and those who are just beginning to explore this technology. The book includes clear figures, tables, and equations and features an exhaustive list of references for further study. I highly recommend this book as a first step to understanding this technology and its impacts.

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