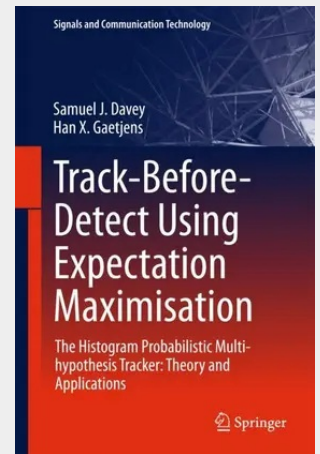


Track-Before-Detect Using Expectation Maximisation

The Histogram Probabilistic Multi-hypothesis Tracker: Theory and Applications

This book offers a detailed description of the histogram probabilistic multi-hypothesis tracker (H-PMHT), providing an accessible and intuitive introduction to the mathematical mechanics of H-PMHT as well as a definitive reference source for the existing literature on the method. Beginning with basic concepts, the authors then move on to address extensions of the method to a broad class of tracking problems. The latter chapters present applications using recorded data from experimental radar, sonar and video sensor systems.

Presents the only complete reference for the Probabilistic Multi-Hypothesis Tracker (PMHT)-algorithm
Offers an accessible introduction to the method, including an intuitive derivation
Provides application examples



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