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A concise summary of techniques for multiple target tracking is provided and their main characteristics assessed qualitatively the techniques have been categorized into more than 35 different algorithmic types a parison chart is provided that lists each algorithm and categorises the processing scheme data as, unknown number of targets when the fusion center does not have any prior knowledge on the number of targets in the surveillance area track fusion bees extremely difficult especially when targets are closely spaced measurement origin uncertainty the local tracker does not know which measurement es from w, he coauthored the monograph tracking and data association academic press 1988 the graduate texts estimation and tracking principles techniques and software artech house 1993 estimation with applications to tracking and navigation algorithms and software for information extraction wiley 2001 the adv.

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The multiple maneuvering target tracking algorithm based on a particle filter is addressed the equivalent noise approach is adopted which uses a simple dynamic model consisting of target state and equivalent noise which accounts for the bined effects of the process noise and maneuvers the equivale, it 888 ece 753 syst 684 distributed estimation and multisensor tracking and fusion spring 2002 multitarget multisensor tracking applications and advances vol analysis of optimal data association with application to multiple target track, buy multitarget multisensor tracking applications and advances vol iii applications and advances v 3 radar library by bar shalom yaakov isbn 9781580530.

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difficult especially when targets are closely spaced measurement origin uncertainty the local tracker does not know which measurements are from which.

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D akselrod a sinha and t kirubarajan collaborative hierarchical markov decision processes based distributed data fusion and collaborative sensor management for multitarget multisensor tracking applications proc ieee international conference, abstract this paper presents a method for moving object tracking with in vehicle 2d laser range sensor lrs in a cluttered environment a sensing area of one lrs is limited in orientation, data association multidimensional assignment problems multiple hypothesis tracking multitarget tracking multisensor data fusion this work was partially supported by the air force office of scientific research through afosr grant numbers afosr 91 0138 and f49620 93 1 0133 .

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Abstract this paper presents a method for moving object tracking with in vehicle 2d laser range sensor lrs in a cluttered environment a sensing area of one lrs is limited in orientation, 8 blackmann s and popoli r design and analysis of modern tracking systems artech house 1999 google scholar 9 bar shalom y and li x r multitarget multisensor, the course is based on the book multitarget multisensor tracking y bar shalom x r li and t kirubarajan estimation with applications to tracking and navigation algorithms and software for in.

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