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纯方位目指条件下空舰导弹目标搜索策略研究(PDF)

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Title: Study on Target Search Strategy for Air ship Missile under the Condition of Bearing only Target Designation

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摘要: 文中针对机载无源探测设备提供纯方位目标指示的条件下空舰导弹的目标搜索问题进行研究。采用分析、建模和仿真验证的方法,研究了基于纯方位信息的目标指示模型,给出了空舰导弹目标搜索区的计算方法,以及导弹进入目标搜索区的方向和用弹量,最后从目标区计算、搜索区提取、导弹自控段航路规划和目标区搜索等方面进行了仿真,验证了所述方法的可行性。

Abstract: The target search strategy of air ship missile under the condition of bearing only target designation was studied in this contribution. The method of analysis, modeling and simulation was used for studying the models of bearing only target designation, and the target region search method of anti ship missile, as well as the direction of target region search and the amount of missile consumed were put forward. Finally, the simulation on target region calculation, search region extraction, planning of the self control route of missile, and target region search was carried out to verify the feasibility of the strategy discussed.

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