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## 主动寻的末制导的截获性能分析

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### ACQUISITION PERFORMANCE OF TERMINAL GUIDANCE OF ACTIVE RADAR HOMING MISSILES

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摘要

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#### 摘要

研究了雷达指令修正惯导中制导加主动寻的末制导的复合制导体制下, 雷达定位误差造成的导引头天线指向角误差和多普勒定频误差的统计特性, 计算了末制导的截获概率, 明确了不同因素对截获性能的影响。

关键词: 截获 中制导 末制导 导引头指向角误差

#### Abstract:

The seeker pointing angle errors and the estimation error of the target Doppler frequency at the time of handover are investigated for an air to air missile using radar updated inertial midcourse guidance combined with active radar homing terminal guidance. Only the airborne radar measurement noises are considered. Moreover, the acquisition probabilities of the terminal guidance are computed.

Keywords: acquisition midcourse guidance terminal guidance seeker pointing angle error

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