

[1]乔相信,菅茂生,张健.基于MATLAB的底排弹六自由度弹道仿真[J].弹箭与制导学报,2009,3:173.

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## 基于MATLAB的底排弹六自由度弹道仿真(PDF)

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Title: The Simulation of Six degree of freedom Trajectory of Base bleed Munitions Based on Matlab

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关键词: 底排弹; 六自由度; MATLAB; 动画; 弹道仿真

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摘要: 利用MATLAB开发了底排弹六自由度弹道仿真软件,对飞行过程进行模拟仿真。建立底排弹六自由度弹道仿真模型和底排装置内弹道模型,蒙特卡洛扰动模型, MATLAB仿真实现;按照建立仿真模型的过程,详述了MATLAB相应模块的使用和对底排弹六自由度弹道的仿真。

Abstract: The six degree of freedom trajectory of base bleed munitions simulation software was developed with MATLAB to simulate the flight process. The six degree of freedom trajectory simulation model and interior trajectory model of base bleed installment, the perturbation model of Monte Carlo were built. The MATLAB simulation realized. According to establishing process simulation model related in detail applying the corresponding module of MATLAB and simulating six degree of freedom trajectory of base bleed munitions.

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