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用随机模型改进作战效能分析的纯概率模型

韩松臣

南京航空航天大学民航学院, 南京, 210016

IMPROVEMENT ON PURE PROBABILITY MODEL FOR COMBAT EFFECTIVENESS ANALYSIS BY STOCHASTIC MODEL

Han Songchen

Civil Aviation College, Nanjing University of Aeronautics & Astronautics, Nanjing, 210016

摘要

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摘要 无论对战斗机还是对武器系统, 沿任意一条航迹试图突破防区目标的生存概率或伤亡概率都是重要的效能指标。利用随机服务系统理论改进了这些效能指标的计算模型, 改进后效能指标计算的准确程度显著地提高了。

关键词: 效能分析 随机服务系统理论 随机模型

Abstract: The survival probability or the casualty probability of targets that attempt to penetrate the defended area along any flight path is an important effectiveness index whether to the battleplanes or to the weapon systems. This paper improved the computation model for this effectiveness by a stochastic service system theory. Under the influence of this improvement the exactness of computation of the effectiveness index is advanced obviously.

Keywords: effectiveness analysis stochastic service system theory stochastic model

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