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论文

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机载机构动力学模型及运动计算

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A DYNAMIC MODEL OF MECHANISM AND CALCULATION IN PLANE MOTION

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摘要

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摘要 对飞机机动飞行时机构运动的影响进行简化处理,将机构工作时飞机加速度引起的惯性力附加在运动构件上,作为已知外力,只建立机构动力学模型,而飞机的动力学模型不计,从而省略了许多自由度,使问题简化。

关键词: 基本构件 附加惯性力 机动飞行 速度

Abstract: In this paper, a dynamic model of mechanism which can describe flexible flight is derived, based on the analysis of various mechanisms of automatic weapon. The velocity errors of basis component of weapon can be obtained with the aid of this model and a computer.

Keywords: Basic component Added force of inertia flexible flight Velocity.

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