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论文

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眼动测量系统及其在工效学中的应用

刘伟, 袁修干, 庄达民, 柳忠起

北京航空航天大学飞行器设计与应用力学系 北京 100083

EYE-MOVEMENT MEASURE SYSTEM AND APPLICATION IN ERGONOMICS

LIU Wei, YUAN Xiu-gan, ZHUANG Da-min, LIU Zhong-qi

Dept. of Flight Vehicle Design and Applied Mechanics, Beijing University of Aeronautics and Astronautics, Beijing 100083, China

摘要

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摘要 首先回顾了眼动测量系统的研究发展历程;其次通过对眼动的基本形式、特点的分析,以及双眼运动的规律研究,对眼动测量方法的具体优缺点进行了对比,并重点对红外电视法眼动测量系统 (Infrared TVEMMS)及其组成部分的基本原理进行了探讨;最后对眼动测量系统在工效学方面的应用前景进行了分析

关键词: 眼动 测量 工效学

Abstract: This paper looks back the study history of eye-movement measure systems. Secondly, through analysis of basic formats and characters of eye-movement, and research on the rule of two eyes-movement, the virtues and shortcomings of various methods are contrasted, with the emphasis on the infrared TV eye-movement system. At last, an application analysis of eye-movement measure systems in the ergonomics is given, which will play an important role in the future real-time measures and synthetic estimations of eye-movement measure systems in human-machine interaction.

Keywords: eye-movement measure ergonomics

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