Research on the Evolution Law of Human-computer Interaction Function in Computer Operating System and Control Mode

成人及所在单位： 顾引明，经济与管理学院 指导教师：张瑞

二. 成果简介：

With the development of computer technology, computer operating systems and control methods are gradually optimized, of which the human-computer interaction function is prevalent and under highly-valued. Even though it facilitates people's lives, in the meantime it still has shortcomings and needs to be improved. This paper studies the development process and evolution law of the human-computer interaction function module in the computer's operating system and control method, and at the last part, its current deficiencies has been analyzed according to development status and social requirements also focused on the trend of human-computer interaction in the future. This study used comparison and contrast method to classify the different ways of human-computer interaction at each stage and its application results. Finally, it draws a conclusion about its evolution law: human-computer interaction goes from complex to simple, and then from single to compound.

三. 主要研究内容及创新点：

This article has explored the evolution law and future development direction of human-computer interaction on the basis of predecessors, so that machines can serve humans more efficiently and quickly.

The human-computer interaction function module in the computer operating system and control mode has experienced three historical development periods: command line interface, graphical user interface, and natural user interface. Different from the cumbersome and monotonous ones in the past, the process and the methods have become simple and various.

Human-computer interaction is based on the research results of computer operating systems and developed with artificial intelligence technology. It takes simplicity, convenience and intelligence as its development direction. In the future, it will develop in a composite, screenless, and systematic way.

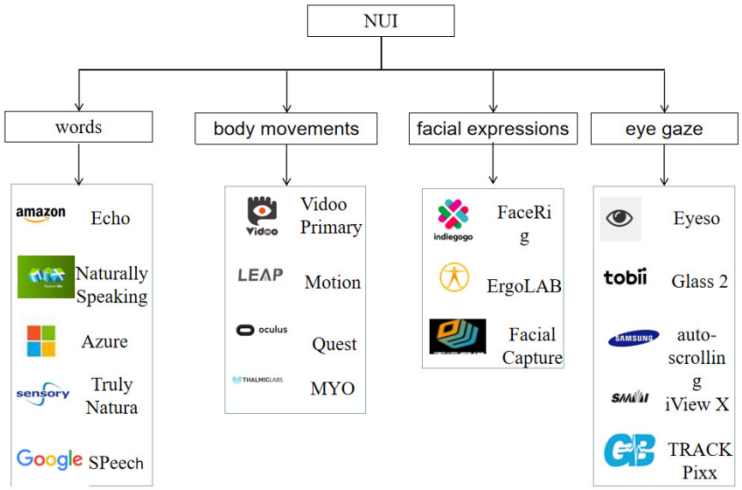


Fig 1 The application of Natural User Interface

四. 主要研究成果及应用情况

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联系人：顾引明， 电 话：17802517131 Email:1390469607@@qq.com