Introduction to Computer Application in Sports
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Abstract. The development of science and technology today, computer has been widely used in various sports events, this article from the application of computers in sports events in each link, analyzes the major role of sports event of current computer, for further development and application of computer in sports events to provide theoretical basis and reference.

Introduction

With the popularization and development of the computer, the computer has become one of the most basic tools in all walks of life, and in all aspects of society occupies an irreplaceable role. Sports events from the initial total artificial operation development to today's computers control the entire event, the computer is fully integrated into the whole sports events, and play an immeasurable role in sports. With the continuous development of sports events and technical service level unceasing enhancement, the computer technology in the national games in large-scale comprehensive sports event such as the role of more and more important. Internet technology, communication technology, computer technology, display and measurement techniques such as high and new information technology has almost penetrated into all aspects of the sports events. Sporting events in the records of the results of decisions, events, sports events of live television cannot leave computer applications [1]. This paper from the application of computers in sports events in each link of the computer application in sports events to carry on the analysis, for further development and application of computer in sports provide theoretical basis.

The Computer Application in Sports Event Arrangement

Sports events at the early stage of the game should be strict, meticulous arrangements, to ensure that in the process of competition, the various links effectively, guarantee the sports events would be able to [2], a complete success. In a sporting event, since the original game are dependent on the artificial arrangement, especially in track and field, the time interval between each track and field events and reasonable arrangement of the project, will need artificial to accurate judgment, careless slightly, can cause the game interrupt or delay, may also contribute to an athlete cannot arrange events between projects. After the computer effectively integrated into the sports events, only need to manual input events and groups into the computer, the computer will make reasonable allocation according to the requirement of the project and the group, so as to avoid the various projects in the process of sports scheduling arrangements unreasonable, athletes project on repeatability, to a certain extent also reduced in the process of choreography of human nature.

The Computer Application in Sports Performance Decisions

Sports events in the initial results of the decisions, mainly depends on artificial decisions, therefore need a large number of referees in the sports event, to meet the needs of the penalty grades in sports events to. With the continuous development of modern science and technology, the computer effectively integrated into the sports events, at sporting events has played a positive role in performance penalty, had a profound impact. Computer in the track and field competition sentences for track results more accurate, to a certain extent, reduce the error of the referees on the reaction time, and greatly reduces the performance penalty dependence on artificial referees. In modern fencing, using the computer form a high-speed camera technology to realize the auxiliary decision,
has become the umpire calls the accuracy of the effective auxiliary tool [3]. In 2006, the US Open for the first time the introduction of computer hawkeye technology, for as many as dozens of times a game "ti" decisions for the tennis match, this is a great innovation. In the sports events, the referee can from the heavy pressure and public opinion to the naked eye relief, and judge only by computer equipment, obviously it is more beneficial to the fair and just principles [5]. Computer has been widely used in many sports, not only from a certain extent, greatly reducing the sports demand for referees artificial, in part to the sports scores more objective decision, thus ensuring the sports’ fair competition principle.

The Computer Application in the Records on the Results of Sporting Events

Sports events in the process of competition, competition result is particularly important, because it will be related to each player of the league and honor. In the initial stage of sports development, records of the results of events mainly by artificial to comb, comparison, thus it is concluded that the final result, but in the process of the continuous development of sports events, sports events involved in more and more, the number of people involved more and more, this will cause the result of the sports events in the event data is more and more big. If by artificial to deal with these data, workload is considerable. But when use computer to deal with these data, it is very easy, the computer in the treatment of the sports results, all the data at a glance, can more accurately to the records of the results of the sports events effectively, and can be in the first place of each sort of athlete's ranking, save a lot of resources to a certain extent, and can effectively enhance the accuracy of the records on the results of the competition [4].

Computer Application in Live Sporting Events

In the first few decades, the computer was born sporting events are to be carried out in the obscurity of, large sports competitions held in after a few days or even weeks, people can through the newspaper or radio know related information. For sports events, no doubt, is a kind of regret. Today, with the constant development of science and technology, information technology is also in constant innovation, the computer has sports real-time display in front of us, at sporting events held at the same time, we have sports events can be viewed in the [6]. Since 2004, the 28th Athens Olympic Games and the 29th Beijing Olympic Games began in 2008, wireless broadband, mobile communication, 3G technology, digital television, digital electronic ticketing and other new technology comprehensive application are obtained. The Olympics web site set up, not only the TV broadcasting are integrated into the web page, the user can choose to watch the wonderful video transmission in the website, allowed visitors to contests, choice of the current games, participating delegations and other columns browse information. Through which users can understand the organization of the Olympic Games, and convenient to open channel IOC officials and the public to interact. Sports fans can watch yourself interested in sports, through the network in a timely manner to understand the result of the sports events, and timely by computer published their own views and ideas, the globalization provides a favorable way for sports.

As the function of sports events and organize workload increases, and the participation of the public and the news media, the traditional organizational work method has been difficult to adapt to the actual needs of the modern sporting events. Introduce new technologies, especially the computer information technology, to improve the quality of work, enhance the accuracy of the sports of all kinds of data statistics and impartiality, reduce costs, improve work efficiency, guarantee the sports smoothly has the very vital significance.

With the continuous development of sports events scale, participating countries and the number is growing, various sports events are more exciting. At sporting events in the process of continuous development, the computer has played an indelible role in sports, computer at sporting events each link of effective application, make the various sports events more perfect and wonderful. With the constant development of the computer in the process, we should be the organic fusion of computer
and sporting events, make computer better service to the sports events, enable people to better enjoy sports events bring happiness!

References