Computer Aided Study of F. Marandache Number Theory

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Abstract

With the continuous development of science and technology, F.S marandache number theory problem has been on the deeper research and exploration, F.S marandache number theory problem is a focus in the field of high-performance computer technology today, need to borrow F.S marandache number theory problem to the information gathering and filtering, which is currently a hot issue in the field of high performance computer[1-3].The characteristics of this paper in view of the F.S marandache number theory problem made a summary, and analyzes the F.S marandache number theory problem in the actual use of the advantage and disadvantage, based on the current difficult problem in the field of high performance computer technology, use F.S marandache number theory tried to solve the problem, further analysis of high performance computer network information and filtering, so as to achieve technical support.In particular, the technical difficulties in the current research in the field of high performance computer are further analyzed and explored in the light of f. Marandache number theory.This paper gives a brief overview of f.marandache number theory, and analyzes the application of F.marandache number theory in high-performance computer, hoping to be helpful to the development of F.marandache number theory.

Keywords: *High Performance Computer,F. Marandache Number Theory Problem, Resource Management, Heterogeneous Resource Integration;*

1. Introduction

F.S marandache number theory problem in developing very rapidly in recent years, and been widely applied to computer systems, high-performance computer and general computer there is a big difference, in order to promote the use of high-performance computer performance, the relevant departments and personnel will also attempt to F.S marandache number theory is applied to high performance computer, to the use of to improve the system performance has a certain help.Practice has proved that the application of F. marandache number theory to high-performance computers has a great effect on improving the performance of computers. For example, great achievements have been made in the application of integration of heterogeneous resources, realization of virtualized system environment (VSE), application in resource management and other aspects.To this end, this paper mainly analyzes the application of f. Marandache number theory in high performance computer system[4-6].

2. Summary of number theory of F. smarandache

F.S marandache number theory problem has many levels of application, in the application of high performance computer system, the vast amounts of data can be stored, effective improve the ability of the computer, integrate the data collected information reported to the high performance computer system, makes high performance computer system can get the latest highest efficiency of the fastest computer data and information, based on F.S marandache number theory problem under the condition of network information processing system is introduced and analyzed, and thus for the optimal way.Figure 1
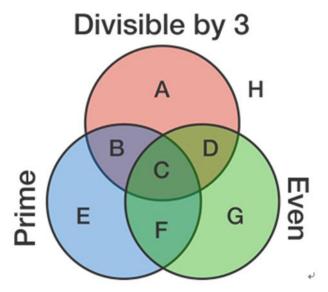
below is one of the simplest number theory problems:

Figure 1. A more basic number theory problem case.

With the continuous development of science and technology, computer in a high performance computer system industry in China is in rapid progress, at the same time, the social requirement for signal transmission in rising, in order to meet the social demand for high performance computer system industry, must use high performance computer system technology to meet the needs of society.Because of the characteristics of high performance computer system technology, and has a lot of advantages and significant practical effects, so high performance computer system can calmly cope with the social requirements of high performance computer system technology.At the same time, China is also constantly building high-performance computer system technology infrastructure, the future of China's high-performance computer system technology will be more developed, high-performance computer system industry forward speed will be greatly accelerated.

3. application analysis of F. Marandache number theory in high performance computer system

F. Marandache number theory problems, such as fuzzy logic, need not be described in detail for the mathematical model of the system.F. Marandache number theory can not only process massive data information of high-performance computer system,

but also optimize the computing program, and solve the most intractable problems and conduct the command of high-performance computer system through the rapid calculation of high-speed computer.In order to better optimize and upgrade the high-performance computer system, it is very necessary to evaluate the overall situation and application ability of F. Marandache number theory, improve the ability to analyze massive information data and the overall spatial analysis ability of data.In virtualization, the cooperative distribution thinking of multiple agents can better manage the cooperation between different levels. Similar to the number theory problem shown in Figure 2, it has a very wide application:

Figure 2. Number theory problem analysis based on computer virtualization.

The age of f. Marandache number theory provides a development opportunity for the scientific high-performance computer system, improves the accuracy of the management high-performance computer system, improves the quality of the high-performance computer system, and reduces the risk of engineering.At present, f. marandache number theory can improve the efficiency of high-performance computer system management, because the high-performance computer system is relatively complex and there are many items, the

efficiency of high-performance computer system is not too high for engineering. In the era of F. Marandache number theory, the efficiency of high-performance computer system can be greatly improved through the advantages of technology.In the management of high-performance computer systems, such as the evaluation of management speed, there are a lot of data to be processed and cost calculation, etc. The emergence of f. Marandache number theory provides solutions to these problems.

4. F. Application of Smarandache number theory technology

4.1. Commonly used F.smarandache number theory technique

Commonly used f. marandache number theory techniques are various, mainly including the following categories. XML technology, Web Services technology, in addition to these technologies, there are object-oriented programming, Java, C++, C language and so on. F.S marandache number theory is an integrated area, covers many aspects, including the construction of computer system, to optimize and upgrade the software and applications, the need for the combination of theory and practice, through certain technical transformation, can make the structure of the above two data into as shown in figure 3, including the number of green circle is we discussed the eigenvalues of the arithmetic of technology:

Figure 3. Number theory problem analysis of computer transformation.

Because the development of computer is closely linked with the development of software, the computer has been relying on the optimization and support of software to constantly develop and progress, from the work of software development to improve the overall performance of the computer.At the same time, as the supporter of computer and the main power to provide assistance, software development technology is also with the development of computer, constantly improve and optimize themselves, accumulate their own strength, continuous learning and progress.With the development of computer, the software development industry is also learning and improving its overall theory.

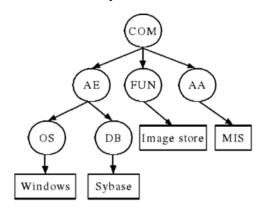### 4.2. f. Marandache number theory embedded technology

The emergence of software development of embedded technology can be very good to change current situation, in the process of software development, software development of embedded technology can analyze the data and filter, and then the data of the whole environment to make a purification, to a certain extent of error code and instructions have played an important role in filtering and cleaning, and through the software development, layer upon layer identification and screening of embedded technology, the wrong instruction are influenced by the cleaning in advance, through the embedded technology to reduce the code error in the software development process, reduce the workload of the task of software development, improve the efficiency of software development.At the same time, the clarity of the embedded technology will carry on the reasonable division of labor, the software development process and software development of embedded technology for data processing functions have a quality, makes the algorithm of computer function better, the function of the software will be more perfect and outstanding, that's the situation of computer aided whole a perfect and ascension.

5.F. Development prospect of smarandache number theory technology

5.1. open

The open trend refers to the openness of software source code and standardization of software products. In the actual work in the field of software engineering, open source software is a very important mining object, in which the detection of cloned code plays a very important role and is widely used in the development of source files, effectively implementing data copy work and data paste work. With the high informationization and integration of the society, the production of software engineering products needs to be reformed and should be closer to the market demand and application. Because of the historical problems of traditional software engineering, it is difficult for the production of software engineering products to communicate with the needs of the society.
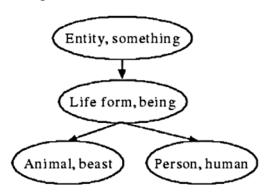

Figure 4. Expansion of f. marandache number theory problem.

In today's rapid development of data, market demand is transformed into a variety of information data, which can be filtered and repaired with the help of data technology to reduce the risk of enterprise management. For example, the data cannot be fully understood, the management and design of software engineering cannot be well combined with the market demand, and finally the products manufactured by software engineering cannot fit the market demand perfectly.

5.2. Intelligent

Intelligent means that f. marandache number theory technology has people's thinking and operation mode. At present, artificial intelligence technology has made rapid development and has been widely applied.

In the future, software development technology will also develop in this direction.

Figure 5. F.marandache number theory problem and computer development.

In the f. marandache number theory technology, artificial intelligence has many applications, especially in the f. Marandache number theory technology, the application is more extensive.Artificial intelligence techniques, such as fuzzy logic, do not require detailed descriptions of mathematical models of systems.Artificial intelligence technology can not only process the massive data information of F. marandache number theory technology, but also optimize the computing program, and conduct the command of f. Marandache number theory technology system by solving the most intractable problems through the fast calculation of high-speed computer.In order to better optimize and upgrade f. Marandache number theory technology, it is very necessary to evaluate the overall situation and application ability of artificial intelligence technology, improve the ability of artificial intelligence technology to analyze massive information data and the overall spatial analysis ability of data.

6. Practical application of the number theory of F. Marandache in computer aided system

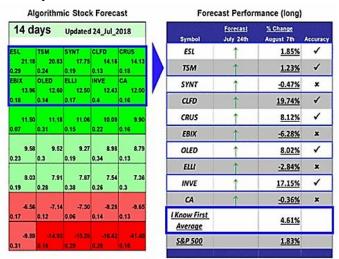The software safety of the computer is a prerequisite for the use and operation of the computer, and the software safety performance of the computer is an evaluation standard of the overall level of the computer.With the continuous development of science and technology, the software security of computers has been greatly improved, but there are still many factors that can affect the security of

computers.From the point of view of the traditional means of computer protection, the traditional standard of computer-aided security is a linear standard, which cannot test and evaluate the software security of the whole computer, and the traditional means of software protection is not very comprehensive.If the computer system can adopt f. Marandache number theory, the overall security of the computer can be improved, the software security of the computer can be evaluated, and the advantages and disadvantages of the computer can be comprehensively analyzed.

6.1. Related overview of F. Marandache number theory in computer assistance

With the continuous development of computer science, F.S marandache number theory also got rapid progress, now has been widely used in computer software security maintenance, not just computers, all kinds of the process of the intelligent science and technology, all need F.S marandache number theory support and the help of computer aided need F.S marandache number theory to improve the performance of the work of a computer software for security.

Figure 6. Computer aided clearer number theory analysis.

Internet virus in the role of breed nowadays kind various, and security vulnerabilities system emerge in endlessly, at the same time there is a certain system vulnerabilities in computer aided and technical defects, software hackers can use these holes for system security vulnerabilities, threats to computer

software security, computer users caused by information leakage, and a certain amount of economic loss caused to the user, and can make the whole society make wrong judgment and evaluation on the Internet.

6.1.1. Software security vulnerabilities of computers

Modern people are very dependent on computers, whether for work or entertainment, the development and use of computer aided provides convenience for people's life.Although many computer technician have considered in the software development to software security problems, but unavoidably appear omissions, leave software technology gaps, many computer hackers or use of this defect, virus invasion to the computer, steal the user's information, this to the harm of the computer network information security is very big.Now a lot of software has repair function, you can find the software in time loopholes and repair, using this new technology, not only can prevent the invasion of viruses, but also protect the security of the computer.Software vulnerability has become a problem that cannot be ignored in modern computer security.

6.1.2. Security problems caused by computer-aided operation errors

The release and transmission of network information are both completed by individuals. In the process of information transmission, on the one hand, information is easy to change its original meaning, which leads to the fact that information is easy to change its authenticity in the process of transmission at the source, and it is difficult to establish a secure network information system.On the other hand, computer users are not aware of their own security, or there are problems and defects in their operation in the process of using the computer, which also increases the risk of information leakage.In fact, many computer-aided security vulnerabilities are generally caused by the system environment.Different computer operating systems will also have an impact on security vulnerabilities, in addition to the differences in software devices and versions will also lead to different types of security vulnerabilities.

Figure 7. Analysis of security problems caused by computer-aided operation errors.

6.2. Main methods of f. marandache number theory in computer aided

F. Marandache number theory can protect the computer according to the security vulnerability of the virus, block the security vulnerability of the computer virus, ensure the real-time work of the firewall, and improve the security of the computer.F. Marandache number theory carries out security scanning in the process of virus security holes, and takes measures to block the security holes of virus, which can improve the security of software and block the security holes of hackers.Nowadays, in order to better meet the actual needs of users, the functions of computer assistance are also increasing. Computer assistance brings convenience to people, but it also has security risks.Of course, there are many reasons for computer-aided security vulnerabilities.In order to reasonably solve the problem of computer-aided security vulnerability, it is necessary to reasonably apply f. Marandache number theory and formulate the application scheme of F. Marandache number theory.At the present stage of dynamic and static F. Ache number theory in computer aided system, security vulnerability detection technology mainly includes static analysis and dynamic detection.

6.2.1. Static analysis

Static analysis usually requires the permission of the software program itself. The corresponding analysis is conducted according to the code of the application program, and then the errors and exceptions are identified, so as to make improvements and updates to the software itself.Nowadays, with the rapid development of science and technology, advanced scientific technical analysis means are needed for management in various industries and fields, which is also a very needed technical analysis means in the industry.The advanced management technology analysis means relies on the computer, carries on the information exchange and the hand resource management circulation through the Internet, provides a comprehensive information platform, achieves the collection and the filter information the purpose, and carries on the information storage, realizes the computer aided in the management scientific nature.In view of many advantages of scientific management methods, China's computer-aided project management is gradually developing towards informationization, technology and integration.Static analysis techniques and other analysis methods commonly used in computer aided systems are mainly used to find out potential and useful information from numerous resources and feed it back to the software system through analysis, clustering, prediction and statistical analysis.

6.2.2. Dynamic detection

Dynamic detection can detect the existence of vulnerabilities in the executed program without changing the source code or binary code of the target program, so as to play a role of security prevention.The era of dynamic detection provides a development opportunity for scientific computer-aided management, improves the accuracy of computer-aided project management, improves the quality of management, and reduces the risks in computer-aided management.Nowadays, dynamic detection can improve the efficiency of computer-aided project management, because of the complexity of computer-aided projects and the numerous items, the efficiency of computer-aided management is not too high. In the era of dynamic detection, the efficiency of computer-aided project management can be greatly improved through the advantages of technology.In the computer-aided project management, such as performance evaluation, there are many tasks such as dynamic testing that need to be dealt with and cost calculation. The emergence of dynamic testing provides solutions to

these problems.For example, in the management of computer-aided projects, dynamic detection and mining technology is used to find the most reasonable index in the complex dynamic detection group, so as to meet the needs of project management in computer-aided projects, reduce the difficulty in the management process of computer-aided projects, and gradually improve the efficiency of management.

6.3. Application of Marandache number theory in computer aided system

Computer-aided transfer function is very powerful, can dynamically detect the exchange of information, the dynamic testing can be passed in real time, the entire computer can carry out continuous communication between the Internet and the embodiment of practical information, guarantee the useful information can be accepted, useless information can be intelligent identification system, report to the user, the user decide to delete or keep.

With the continuous development of science and technology, computer software security is also in constant ascension, but also have more the threat of computer aided safety, plenty of Internet virus, and a lot of criminals and hackers to attack the computer, this makes a lot of computer software security hidden danger, and the threat of the illegal will cause harm to the whole Internet, an economic loss, even casualties.However, by using the above dynamic and static f. marandache number theory, various vulnerabilities can be effectively prevented and the effect of software security application can be improved.Specific can see from the following two respects.

7. Conclusion

F. Marandache number theory is a new means of software protection. This technology improves the software security performance of computers and plays a crucial role in the development of the computer industry. Moreover, the development of F.marandache number theory also supports the Internet industry to a certain extent, which has a positive impact on the two.From the perspective of the overall situation of the market at present, F.S

marandache number theory has been widely used in all kinds of computer industry, which is more effective in the field of computer aided safety, can to greatly enhance the security of the computer aided and support, with the development of science and technology, F.S marandache arithmetic can the auxiliary function of computer better optimization and improvement.

References

[1]   Xiao-Ru D, Mathematics D O , University N. A new arithmetic function and its mean value[J]. Journal of Xi'an University of ence and Technology, 2014.

[2]   Bond G E, Wolf-Wilets V , Fiedler F E , et al. Computer-aided cognitive training of the aged[J]. Clinical Gerontologist, 2001, 22(2):19-42.

[3]   Hamade R F, Artail H A . A study of the influence of learning style of beginner computer-aided design users on their performance[J]. Journal of Engineering Design, 2010, 21(5):561-577.

[4]   Kuznetsov V A, Alekseeva E I. The computer-aided study of dynamics in the system primary tumor, cytotoxic lymphocytes, metastases[C]// World congress on world congress of nonlinear analysts. Walter de Gruyter & Co. 1995.

[5]   Buell, Duncan. [Lecture Notes in Computer Science] Algorithmic number theory volume 3076 || Proving the Primality of Very Large Numbers with fastECPP[J]. 2004, 10.1007/b98210(Chapter 14):194-207.

[6]   Mehdi Fabien Pazuki. Number theory seminar[J]. University of Copenhagen, 2014.