Economic Analysis for Internet Industry in China

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Abstract - With the popularity of Internet networks, its impact in people's production and life increasing broadly. Based on internet, network economy as a symbol of the network industry has developed rapidly in our country. Analysed the status of the network economy, investigated the positive and negative implications of the network economy to the Chinese economy, pointed out the problems of network economy, and made recommendations to the future development of network economy.

Index Terms - Network Economy, Information Industry, E-commerce.

1. Introduction

Since 1993, with the fast development of the Internet and business applications, the Internet economy rapid developed of the first time in the United States and then spread to the world. In front of the trend of rapid development of global networks, China's Internet industry is spread in a same way. In the early 1990s, our government has implemented the "Golden Bridge", "Gold Card" and a series of gold projects. Under the world’s context of building "information superhighway" in developed countries, our country’s IT experts made our own "high-speed information network plan" in accordance with China's national conditions[1], in October 15, 1993, the world's longest optical cable, the communication "aortic" runs through north and south of China's Jing-Han-Guang all opened, opened China's network infrastructure prologue.

China formally communicated with the Internet on April 1994, with the built of public network, education and research network, science and technology network and Jin-qiao network the economy driven by information technology, the Internet economy. China's enterprises started e-commerce since 1994, and has made gratifying achievements. The year 1998 is the world's e-commerce year, China had set off a wave of e-commerce heat, and China Commodity Market officially entered the Internet from one July 1998 [2].

On March and April of 2000, the U.S. Internet stocks started to fall significantly. In this year, the network index just share a quarter of the highest point, the more tragic was a smash hit Internet companies were bankruptcy. However, since 2003, China's Internet economy showed strong signs of recovery, suggesting through big waves the network economy step into a new period of development after the baptism. Start.

This table shows the differences between traditional economic characteristics and network economic characteristics. From the perspective of macro and micro, network economy had a huge effect on China's economy. It is obvious that in some degree network economic is better than traditional economic, and it is more popular than traditional economic.

According to the latest statistics of China Internet Network Information Center (CN2NIC)[3], the number of Internet users in China's Internet rose from 68 million to 79.5 million after six months in December 31, 2003, compared with the same period in 2002, maintaining a high growth rate of 35%, ranked second in the world. The number of Internet computers rose from 2572 million to 30.89 million through six months, compared with the same period in 2002, maintaining a high growth rate of 48 percent. WWW site number is a high growth rate of 48 percent . WWW site number is 595,550, has an increase of 121,650 within six months and an increase of 60.3 percent over the same period of 2002. Registered names under CN domain is 340,040, the total international bandwidth capacity is 27216Mbps, has an increase of 8617M compared with six months ago and a growth rate of 46.3 percent, and an increase of 190.1 percent over the same period of 2002, and was 1071 times of 1997’s survey results.

First, the relevant departments to further promote information technology. In 2003, with all levels of government change and promote to a service-oriented government, e-government as an important feature of the planning of service-oriented government into implementation year. According to CNNIC's latest statistics, government websites up to 32 percent over last year by growing 15 percentage points [4]. The development of e-government network will provide strong support for economic development and bring new opportunities for the development of the network economy. Secondly, the business forward - further development of Internet applications.

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According to CNNIC's statistics, the number of corporate websites owns the largest proportion of the total site, reaching 70.9 percent [5], followed by was commercial sites, accounting about 8.2 percent. The number of sites under COM.CN increased 69,432 in six months has an increase of 20.3 percent. Again, users morphological are difference. According to CNNIC’s survey, Internet users direction is to a reasonable and balanced structure, there are diversification means of access, dedicated Internet access, ISDN and broadband internet access [6] has emerged as the number of users is in fast growing trend, growing number of families received network, the Internet sites of users is expansion, purpose of the Internet continues to diversify.

According to the survey, online advertising, online messaging, online games promoting the rapid development of the Internet industry, and the search engine, free e-mail, online shopping, broadband services and other new network services is on the rise, on behalf of the diversification development trend of network economic.

2. Impact of Network economy on China's economy

Network economy is an information market economy, has great potential for development. After more than ten years of development, China's information network has been basically covered national economic sectors, with the promotion of government and enterprises network's, the network economy emerged. From the perspective of macro and micro, network economy had a huge effect on China's economy. Enhance various elements of the productivity. Internet as a new basis structure of future social, by enhancing information awareness and information activities of workers, enhancing the quality of workers, through digital technology improve the quality of tools and labor and to expand the scope via the network, creating new object of labor, to raise the overall productivity of the elements. Internet will create new physical and virtual environments for capital, goods, information and knowledge flows of China economy and the world [7].

The rise and the rapid development of the Internet has changed the traditional information collection, transmission and processing methods, production, distribution, consumption and other market information are transparency than ever before, but also generally improved the worker's labor skills and work efficiency, while the network could transform traditional industries be represented of Manufacturing technology, made new modes of integration of integrated manufacturing and intelligent manufacturing systems of the modern computer become the development direction, China enterprises produce agility and adaptability greatly improved, high quality and low cost products and services will really improve the competitiveness of Chinese enterprises on a larger scale.

Internet has changed the traditional business mode of production, forms of organization, management, business strategy, trade channels and marketing concepts, resulted virtual enterprise. Network organization makes business activities run more rapidly, reduce administrative costs and marketing costs.

In the new economy, network products and services continue to decline in the price level, quality and performance continue to improve, so that our country can pay less to purchase and install advanced computer and network equipment of the world and use more sophisticated software systems, that is using the "advantages" to achieve competition with developed countries in the same way [8]. On the other hand, through modern information technology to do some transformation of China's traditional industries with comparative advantages as well as finance, insurance, trade and industry, so that these industries regain competitiveness again.

In our process development of network economy, will inevitably bring great changes in income distribution, the performance is at different levels of education, and different occupations, particularly income gap between urban-rural will widen seriously. To China's traditional industries, the network will enable that business who cannot provide first-class products and services in difficulties or bankruptcy, lost to survive in the excess capacity world production.

Network economy diluted the concept of country, with a strong "supranational nature" and globalization features, will have an impact to our accustomed management system and policies [9]. On the one hand, governments set the various restrictive policies based on their own "special" will be replaced by uniform rules of international organization; part of the power will be transferred to international organizations. On the other hand, the reasons for government do some state interventions based on the "information asymmetry" become pale, because the network economy provides strong technical support and information, so that the possibility of the "market failure" greatly reduced. A significant impact on China's cultural and social management will be inevitable.

It can be seen from the Fig 2 that Network economy as information market economy has great potential for development. With the promotion of government and enterprises network's, China's information network has been basically covered national economic sectors, the network economy emerged.
of the quality of workers required to the network economic development in the new century to develop and implement the personnel training programs to meet requirements of network economic development, training and creating a large number of high-quality people of development of network economy. On the basis of fully understand and learned the domestic in the lessons of international network economy, combined with our Internet business characteristics research and develop technical support system to adapt to the requirements of our network economic development to ensure the economic security of the network.

Based on extensive research, selected a representative sample of industries or enterprises as network transformation pilot, encouraged enterprises to access, guiding enterprises to make full use of the Internet network’s advantage, achieved good economic and social benefits.

On the basis of conscientiously sum up networks economic development experience in domestic and international, combined with China's national conditions and business Internet requirements, accelerate the formulation and implementation of network policies and regulations which conducive to economic development, and provide a relaxed policy environment and legal protection of the development of China's Internet economy.

4. Conclusions

Network economy is an information market economy, has great potential for development. According to the survey, online advertising, online messaging, online games promoting the rapid development of the Internet industry, and the search engine, free e-mail, online shopping, broadband services and other new network services is on the rise, on behalf of the diversification development trend of network economic.

Pointing out the problems of network economy, and made recommendations to the future development of network economy. After more than ten years of development, China's information network has been basically covered national economic sectors, with the promotion of government and enterprises network's, the network economy emerged. From the perspective of macro and micro, network economy had a huge effect on China's economy.

References
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