

Analysis of the Influence of Digital Economy on Industrial Structure Upgrading

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Abstract: With the rapid development of China's social economy, China has gradually entered an important period of industrial structure adjustment, facing the advent of the digital era, the industrial structure must keep pace with The Times, so as to realize the transformation and upgrading of the economic structure. Digital economy is an emerging industry based on digital technology. The process of interaction between digital economy and other industries promotes industrial transformation, makes traditional industries be upgraded and transformed, and gradually expands to new industries, providing sufficient source of power for industrial development. Based on this, this paper briefly expounds the impact of digital economy on the upgrading of industrial structure, and puts forward the specific path of promoting the upgrading of industrial structure by digital economy for its reference.

Keywords: Digital Economy; Industrial Structure; Upgrading; Influence; Path

Introduction

Under the background of the extensive application of digital technology and the strong support of national policies, the development of digital economy has been relatively rapid, and the utilization rate of information has been greatly improved, playing a significant role in various fields, effectively improving the resilience of China's economy and driving high-quality economic development. At the same time, in the process of the pursuit of high quality development, China's industrial structure is still a larger progress space, the digital economy of the technological innovation, make the traditional factors of production gradually break the resources, on the basis of the original burst out new power, driven by digital economy of technological innovation to promote the transformation and upgrading of industrial structure, how to cling to the development opportunity is the current problem to be solved.

1. The impact of digital economy on the upgrading of industrial structure

1.1 Promote the transformation and upgrading of traditional enterprises and release the production capacity of traditional industries

In the development process of the digital economy, providing assistance to the transformation and upgrading of traditional industries is a top priority. The advantage of digital technology is has a strong applicability and permeability, with the help of big data technology, Internet of things technology, communication technology and other advanced technology, can provide targeted technology and services for various traditional industries, around the traditional industry chain and supply chain to carry out a full range of technology upgrades, effectively improve the level of traditional industry digital, improve the production efficiency and increase the added value of products and services, provide digital power for the development of traditional industries. First of all, the traditional industrial production mode should be innovated through digital technology, through the whole process and comprehensive application of digital technology to create automatic and intelligent production mode, and carry out differentiated R & D and production combined

with demand to improve the innovation ability of enterprises. At the same time, under the intelligent production mode, improve labor productivity and resource utilization, and maximize the potential of enterprises. Secondly, to transform the internal process of traditional enterprises through digital technology, break the restrictions of time and space, reduce the cost of resource circulation, improve the efficiency of resource circulation, realize the effective integration of industrial chain resources, and promote the transformation of the internal process. Finally, the digital platform should be built through digital technology, and the integration of the upper, middle and downstream formats should be realized with the help of the network platform, so as to effectively release the production capacity of traditional industries and improve the innovation and development ability of traditional industries.

1.2 Welcome the advent of the information age and breed emerging industries

Under the context of the wide application of digital technology, all walks of life have not only realized transformation and upgrading, but also innovated various emerging industries, providing an important driving force for industrial transformation and upgrading. In the process of digital innovation and application of digital technology, industries are rapidly decomposed and reconstructed, and the correlation between various industries is stronger, breeding a series of new digital new industrial models, including electronic information manufacturing industry, information technology service industry, etc. Digital economy has become a new mainstream development trend. The emergence of emerging industries enriches the industrial structure, breaks the traditional boundary of industrial structure, and intersects different industries in different spatial regions, forming a diversified industrial integration mechanism. At the same time, the emergence of digital technology makes the industrial structure develop towards a multi-level trend, the traditional industries expand and extend on the original basis, the phenomenon of information island is completely eliminated, the resource allocation is more efficient, and finally form a new industrial form.

2. The path of digital economy to promote industrial structure upgrading

2.1 Strengthen the development of the digital economy and promote industrial integration

On the one hand, the wide application of digital technology drives the development of the digital economy, and on the other hand, it also promotes the transformation and upgrading of the traditional industrial structure, and finally achieves the goal of high-quality economic development. At present, China's social and economic development trend is good, but the industrial structure is relatively backward, which has slowed down the economic growth rate to a certain extent, and it is urgent to apply digital technology to adjust the industrial structure and improve the economic growth rate. In the process of digital economy development, the breakthrough of high and new technology, the core technology is crucial, through the innovation of digital technology to optimize the top design of industrial structure, realize the deep integration of digital technology and various traditional industries, not only can expand the development space of traditional industries, can also innovate digital economy forms, form the driving force of the transformation and upgrading of industrial structure. On the one hand, a research institution for digital economy development should be established to strengthen the research and application of digital technology, and optimize the underlying driving force, middle level support and upper level design of the industrial structure., On the other hand, to strengthen the infrastructure of the digital economy, combined with the development needs of all walks of life, upgrade related infrastructure, for cloud computing, big data, the application of advanced technology of Internet of things solid foundation, ensure that the digital technology in the industrial structure decomposition and reconstruction play the corresponding role, gradually build digital society, promote the development of public service, social governance towards the trend of intelligent.

2.2 Build a digital technology system and optimize the level of industrial development

The wide application of digital technology in all walks of life promotes the development of digital economy, and the advantages of digital technology should be fully played in the process of mutual integration and upgrading of various industries to build a perfect digital technology system. China issued a series of supporting policies, play a guiding role in promoting the development of digital economy, but due to the basis of the digital economy in the core technology is relatively weak, lead to the lack of related industry innovation and development, in order to speed up the pace of transformation and upgrading of the industrial structure, speed up the core digital technology research and development is the focus of the topic, is also an important cornerstone of rapid development of digital economy. First of all, the government should strengthen the research of core technology, and pay attention to the training of digital technology personnel. The government has set up special funds, established key laboratories, built a system of combining industry, education and research, organically integrated core technology research and development and talent training, promoted high and new technology research and development and continuously cultivate compound talents, so as to create a good environment for the development of digital economy. Secondly, strengthen the transformation of core digital technology achievements, pay attention to the protection of intellectual property rights, through the layout of perfect scientific and technological patent chain, grasp the initiative of the development of digital economy development, so as to promote the in-depth integration of core digital technology and traditional industries, and ensure the transformation and upgrading of China's industrial structure by improving technological innovation.

The wide application of digital technology has broken the barriers between various traditional industries, and digital technology has become the media for the differentiation and reconstruction of various industries, gradually forming new services and new products, and creating a new business format mode. The application of digital technology advantage is self-evident, through the application of digital technology in various industries and enterprises, can realize the comprehensive innovation of productivity, can not only to create a digital, intelligent production mode, to speed up the transformation and upgrading of related industries, also can realize the coordinated development of each industrial chain, the digital transformation of industrial structure plays a positive role.

Conclusion

To sum up, under the background of the rapid development of digital economy, all walks of life are facing good opportunities for transformation and development, so full attention should be paid to the driving operation of digital economy, and constantly breed new industries and new forms of business. We should do a good job in the development layout of digital economy, attach importance to infrastructure construction and core technology research and development, and fully reflect the advantages of digital technology through the close combination of digital economy and traditional industries, so as to boost the efficient development of society and economy.

References

[1] Li J, Su QL. Empirical analysis of digital Economy in promoting the Upgrading of industrial structure [J]. Modern Management Science, 2022 (05): 127-137.

[2] Tao Z, Huang XY. Digital economy, upgrading of industrial structure and common prosperity [J]. Research on Financial Education, 2022,35 (05): 14-23.

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