

The Research of the Real Estate Market about Guangzhou-Based on Background of Post-epidemic

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Abstract: This paper background is that it focuses on the multidisciplinary cross orientation that are the small real estate market (commercial real estate, tourism real estate, logistics, etc.), linkage system overall optimization and improving the performance of the purpose. With small mass housing market sales, combined with big data tools, mass housing market have had market expansion advantage, market complementary advantages and application support advantages. The linkage between the mass market and the niche real estate market have had complementary advantages. Complementation is the basic premise for the linkage of the real estate market such as business travel and accommodation. The market is the key to solve the contradiction between the linkage subject cooperation and competition with the help of big data tools and so on. Based on background of post-epidemic, with the help of big data tools, the paper focuses on the four aspects that is linkage market trigger signal, linkage market control signal, linkage market feedback signal and linkage market stage signal. The research significance of the linkage market also involves: (1) the use of chaos and evolution market linkage theory that this method is based on the linkage problem of system coordination and market linkage. (2) linkage development is conducive to the continuous strengthening of local industry regulation, business prosperity, demand spillover and the innovation strategy of

niche market (real estate, such as business travel) and mass residential real estate market itself.

Keywords: Real Estate Market; Mass (Niche) Market; Linking Signal; Background of Post-epidemic

1. Introduction

Epidemic health events across the world in the world, the real estate market and green economic development faces unprecedented challenges that it is not only weakened investment (prices have certain decline and adjustment), and but also the development of real estate, planning, construction model bring unprecedented debate that "It is the moment that a virus let everyone equal enjoy sunshine, oxygen, water, clean and other good natural and fair public resources". International experience has proved that the real estate market in Guangzhou is concerned by the theoretical circle with "landscape" that "from the countryside to the city, from the city to the countryside" may evolve into a new landscape movement or a new debate and a healthy and benign real estate project. At present, there are serious deficiencies in the construction of community service system in Guangzhou, in the construction of public service facilities, there are widespread problems such as supply and demand imbalance, low use efficiency, insufficient participation of residents and so on. However, the construction of community commercial facilities has the problems of lack of systematic planning, lack of public space

and low level of business forms. For this reason, the Guangzhou municipal government is carrying out the urban renewal project, implementing the overall reconstruction and micro-reconstruction in parallel to adjust the existing planning structure of the old city, and improve the overall construction level of community service facilities through community renewal. At the same time, the emerging community complex model in China has huge development advantages in promoting urban land intensification, one-stop supply of community services and differentiated development of community commerce. In order to solve the practical contradiction between the urgent demand of community residents for the comprehensive renewal of community service facilities and the current situation of community construction, the introduction of community complex model is a new way of old city renewal. And this community complex model just fits one of the types of linkage model of Guangzhou real estate market.

The following description is divided into four parts:

2. Linkage Market Trigger Signal is that Business Travel and Residential Property and other Real Estate Projects Appear Short Board

Linkage makes market entities in the development ability of investment to get a greater return or a prior "touchstone". Linkage makes the channels of individual and social assets into economic achievements more and more extensive, and the role between the market and the government in the function and regulation mechanism play again. It makes the supply competition of government public land resources and the exclusivity of consumption. The linkage trigger signal based on big data tools is mainly reflected in the bottleneck of real estate projects such as commercial property, especially in the epidemic situation, the data analyzes the dissatisfaction of users. There are many available distribution channels (commercial and intermediary companies), etc. sales expenses and channel costs caused by market development keep rising. The existing intermediaries and distributors are not competent, etc. This series of statistics trigger business living project linkage of real estate reality, clues and theoretical groping is that

study how in the appropriate land, appropriate city and landscape environment to build a series of healthy development of real estate projects become the primary concern during the global outbreak development of real estate project, the real estate market between market integration, linkage also cause attention again: Mainly focus on the development and market linkage of healthy and high-quality real estate market, the large circulation, small circulation, internal circulation and double circulation in the whole city and district, the revitalization of rural industry and the impact of rural road dust on the whole city, community and housing, etc.

2.1 One of the Linkage Market Trigger Signals is to Open Signals that it is the Emergence and Popularity of Community Complex

The community complex itself is a consortium of various forms of business, and the launch of any form of business will bring the joint development of the consortium. In recent years, the global epidemic has produced a linkage-triggered opening signal based on the combination of current background and practical cases, for instance: The reconstruction case design of Guangzhou Shayuan Street community and Minquan Street community, discusses the problem that the community complex model should deal with the comprehensive renewal of service facilities in Guangzhou old city community. For another example, the loan restriction strategy in the housing market has emerged and been popularized in all districts of Guangzhou. The public form of the residential real estate market is seeking new development space and policies: With the small real estate market linkage is one of them, such as tourism and tourism real estate, logistics real estate development for commercial, residential real estate can create more business opportunities, and the development of commercial, residential real estate can also perfect the tourism, logistics infrastructure, through effective cooperation, share part of the market, benefit each other, bring out the best in each other. The linkage of the minority real estate market such as business travel can promote the improvement of the mass real estate market, the increasingly reasonable improvement of the urban functional zoning, and drive the inventory digestion of the mass real estate market; grasp

the urban characteristics, innovative and dynamic development, mark the city symbols, prosper the local economy and culture, and stimulate domestic consumption, etc.

In recent years, the theory of the real estate market with Chinese characteristics in Guangzhou has shown strong "inertia development resilience" through the "concentration" and large-scale development of the first, second and third class urban blocks. Housing as food, clothing, housing and the historical task of people's livelihood have come to an end". After having several sets of property ownership certificates, residents seem to seek the highest level, namely "self-realization and self-achievement satisfaction". With the background of the global epidemic and the healthy life, people also put forward a phased "rest signal" for the benign development of the real estate market in the future: Enjoy the overall situation, pay attention to the foundation, check the leak and fill the gaps, exquisite, exquisite, low pollution and high dignity of the benign development concept of human nature.

With big data tools and network check information, Guangzhou support banking financial institutions to greatly influenced by the outbreak of catering, retail, cultural tourism (including movie), transportation, pension services, exhibition, and other industry enterprises, strengthen bill financing support, simplify the optimization discount procedures, reduce the discount rate, help enterprises to speed up the development [1]. This project can be analyzed that business travel and residential property and other real estate market linkage signal has been opened. Recently, the National Bureau of Statistics released in October 70 large and medium-sized cities commercial housing sales price change statistics, in October of the new commercial housing, the rise of the city is 65,1 more than last month. In the context of the epidemic, the market linkage signal has been driven by the demand of food, tourism and other industries, such as health real estate market and pension real estate that is new forms of ecological value, winery, ecological sightseeing farm and other new plates. Covering a total area of tens of thousands of mu, investment of billions of yuan, investment cycle years, annual profit and tax of hundreds of millions of yuan can solve the employment of tens of thousands of people.

2.2 Linkage Market Trigger Signal Two Alarm Signal that is Linkage Market Multi-Dimensional

In fact, the multi-dimension of linkage marketization is a kind of adjustment of thinking and concept. The development concept determines the development strategy and the compatibility of science and technology and the market. In fact, the multi-dimension of linkage marketization is the whole system coordination, and its key approach: innovation activities are essentially an important economic and social activity, and the overall characteristics of the economic and social system also determine the overall [2] of innovation to a large extent.

The linkage trigger signal based on big data tools is mainly reflected in the multi-dimensional marketization of real estate projects such as business travel and residential property, such as bank service concept competition, product market concept competition, legal environment concept, government intervention situation and other open concepts: Concept opening is a necessary condition for the real estate market linkage system to realize the enhancement of market-oriented negative entropy flow from low organization to high organization degree, and it is one of the preconditions of cultural concept opening. For example, southwest China takes cultural tourism as the guidance, and the project pays attention to the development and construction of Lingnan culture and Xiguan characteristics. The city corner cultural symbol of the central ancient city area meet to the 5 + 2 leisure and vacation needs of the big city community. At present, the urban edge area is dominated by three major tourism real estate projects: coastal, mountain and theme, and a small part of lakeside, hot spring, golf and ancient town projects.

For example, with big data tools and online accessible information, business travel, housing and other real estate market linkage alarm signal has been opened, mainly reflected in the open concept. Using the big data resources opened by the Guangzhou government, the open concept requires paying attention to the convenience, standardization and operability of the service order of the real estate market. The concept of market linkage makes the service order of the district government in Guangzhou become

"transparent", "fast" and "friendly". The main body of government service is shifting from "universal" to "limited" such as suggestions and consultation are unimpeded. And the development of Guangzhou real estate economy is more transformed to "post-modernism" than both modern advanced and classical nostalgia.

3. Linkage Market Control Signal that is the Occurrence of Political Rent-Seeking Events of Land Resources and Capital Chain

The linkage control signal based on big data tools is mainly reflected in the occurrence of political rent-seeking events of land resources and capital chain. With the help of big data tools, the number and time of political rent-seeking events of land resources and capital chain can be easily counted. During the epidemic period, the real estate market in Guangzhou reasonably controlled the control process of land and capital tools. And the slow progress of the primary market was accelerated. The space for the secondary intermediary market was abundant.

After the paper research group investigated the real estate markets in Jinan, Kunming, Beijing, Suzhou, Nanjing, Sichuan Dazhou and Chongqing Kaizhou during the epidemic period. The paper research group discover the political background of the founding general with Chinese characteristics. In these regions and blocks, with the establishment of memorials and the development of the real estate market, there is a benign form of integration and penetration. Based on one of the urban symbol features, this paper focuses on the global epidemic background of health, culture, tourism integration and real estate market linkage mode, linkage timing and scale, optimization approach and development direction, development stage. This will bring item shock such as low pollution environmental standards and rules, renewal policies for old real estate. The strategy of rectifying traffic and roads, disinfection of the environment, land and air, water, garden conservation policies, feeling of healthy life and medical literacy, quality of life and quality of education, politicians' examination and debugging of the focus of human development. It increase in major applications and benefits. These all need to control the market linkage market.

3.1 One of the Linkage Market Control Signals: Start the Linkage Market Accident Solution System

The startup linkage market accident solution system based on big data tools is mainly reflected in the linkage market early warning system. From the perspective of scientific, objective and practical analysis and evaluation, from the theory of establishing a "Utopia" type of high-quality living environment theory prototype. Based on the final customer is not satisfied, guest relationship because there are many not used distribution channels, customer relationship management methods, channel radiation ability and control ability, enterprise credit deterioration, the size of the enterprise, the scale of agglomeration degree and combination index. Based on the global outbreak background inspire motivation break the bondage of the traditional real estate market development mode, using high-tech technology to establish "urban real estate resources benign development of human nature linkage factor index system".

Based on big data tools to quickly solve the linkage market accidents system signal: For example, the large market linkage better reflects the concept of compatibility, this compatibility may appear excluded phenomenon, through learning and external spillover to solve this rejection reaction; Such as environmental strain, competitive position changes, demand management, economies of scale, flexibility and other elements. Such as the solution process has the characteristics of "space-time compression". For example, with the management level of the market, the reputation and reputation of the enterprise, the market coverage and geographical location advantage, the sales ability and performance of market members, the comprehensive service ability, the market division of labor and the improvement of correlation efficiency, and the ability of developers to master and feedback market information is enhanced.

3.2 Linkage Market Control Signal 2: Open the Linkage Market Accident Prevention System of Pre-Action and Detection Function

Linkage market control follow the menciush yue "human nature" the health of Guangzhou real estate market beginner's mind, learn from xunzi language "human theory" abandon part

of the development of the market interests, gradual improvement road established based on the health of Guangzhou real estate market benign development system and measures, potential market scale of trillions.

The linkage market accident prevention system based on the pre-action and detection function of big data tools is mainly reflected in the dynamic mechanism of market linkage space evolution, the dynamic mechanism of urban space, the dynamic mechanism of market linkage space evolution, the change of consumer groups and the evolution of urban consumption space. See the following diagram Figure 1:

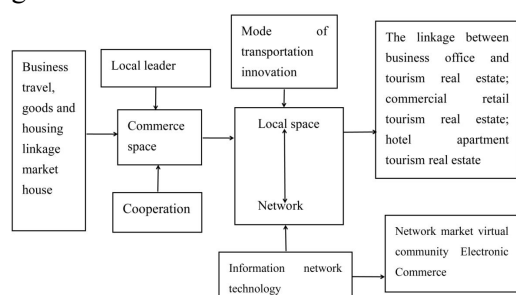


Figure 1. Spatial Transformation Trend of the Real Estate Linkage Market and its Dynamic Control Mechanism

With the help of big data tools and online accessible information, the paper makes a financial analysis of the spatial transformation trend and its dynamic control mechanism signals of the real estate linkage market: In the first quarter of 2023, the added value of the financial industry in Guangzhou increased by 8.9% year on year. At the end of March, the balance of local and foreign currency deposits and loans of financial institutions was 15.62 trillion yuan, up 11.2% year on year. In terms of separate deposits and loans, the city's deposit balance was 8.38 trillion yuan, up 10.7% year on year. Among them, the household deposit balance increased by 18.2% year on year. The loan balance of the city was 7.24 trillion yuan, up 11.8% year on year. The balance of medium-and long-term loans of enterprises and public institutions increased by 17.1% year on year, 0.5 percentage points higher than that at the end of February. The increase in the number of local deposits and loans from one side analyzes the increase of real estate enterprises involved in the local market projects, the regional linkage of loan funds in the real estate market, and the linkage

detection signal between the minority and the mass real estate market driven by financial institutions.

4. Linkage Market Feedback Signal that is Implementation of Linkage Feedback Steps

The implementation of linkage feedback steps of real estate market for business and commercial housing based on big data tools should start from solving the most urgent problems. Mainly market business, overall planning, distribution implementation, flexibility and simplicity, multiple supervision perfect after-sales service and evaluation system in place.

Using global governance theory, with the help of related industries to develop the "value in business" decision reference, establish the global urban real estate resource linkage factor index system global urban real estate resource linkage factor index system that is publicity process ability index, process performance index, etc. Based on the value of Guangdong city promotion, fusion, urgent transfer and point of energizing, the linkage market process repeatedly cognitive, knowledge discovery, processing and reflection, using the integration environment of artificial intelligence theory evolution linkage process framework, and reasoning and said, using optimization theory of linkage market partition that market trading process multifariously improve the convenience of the whole transaction and this feedback to real estate linkage.

4.1 One of the Linkage Market Feedback Signals that it Start and Stop Indicator System

The linkage feedback signal of the real estate market includes the start and stop indicator system, that is, one of the linkage conditions is the recovery signal, strength, volume and timing of the real economy: For example, the management level of the local real estate market, the reputation and reputation of real estate enterprises, the market coverage and geographical advantages, the sales ability and performance of market members, the comprehensive service ability, the market division of labor and the improvement of correlation efficiency, the ability of developers to master and feedback market information and so on, Specifically reflected in:

For example, using industrial (logistics) real

estate to drive the innovation of real estate industry, realize the alternative economy, create linkage market and regional selection value; the niche real estate market to drive the mass real estate market, both the uncertainty and variability of market environment, the uncertainties, promote the new industry to the old industry and the recovery of the real economy, and optimize the linkage system structure; The real economy in 2023 continue to decline, from the perspective of the real estate industry type linkage system of niche real estate market performance, to tourism real estate market with commercial real estate market, with logistics real estate market to promote business and other small real estate market interaction, through more market, multi-industry mutual promotion, coordination and cooperation, to achieve the market common development and swap, improve the added value. The above examples are the specific application and implementation of the start and stop indicator signal based on the big data tool.

4.2 Linkage Market Feedback Signal that is Operation State Signal System

The linkage feedback signal of the real estate market includes the operation state signal system, that is, the linkage conditions are both the closure and failure state of real estate enterprises and the operation pressure system of the real estate market: Many countries(Jiamei xu) since ancient times have upward linkage foundation, real estate enterprise operation process linkage is characterized by credit, and market characteristics is efficiency, so with the help of big data tools based on credit and efficiency connectivity, data driven, open synergy, sharing win-win, effect is to improve efficiency, fit the big data tool signal characteristics and one of the timing [3].

The timing of the real estate market linkage operation state signal system is reflected in:Global epidemic era of the whole market (including the real estate market) in a fragmented state, that is not a good industrial chain — is complete, orderly industrial chain, this requires a variety of regional advantage, industrial, circulation, resources and other different types of real estate enterprises, supply chain system node enterprise coordination cooperation relationship, but this coordination cooperation relationship can not be

accomplished overnight, need to develop linkage real estate enterprises in the dynamic evolution gradually formed — mutual joint market innovation or marketing innovation. Specifically reflected in:

For example, Guangzhou has established and in the form of the municipal government documents issued by the Guangzhou municipal people's government on promoting the development of the implementation opinions of big data [4], promote the construction including big data enterprises, big data innovation and application system, prompted the efficiency of the Guangzhou real estate market linkage, from one side feedback the linkage of the real estate market signal, especially during the global outbreak of Guangzhou city update typical case — grace ning road transformation practice [5] and Beijing road a lingnan building postmodernism symbol renovation; Such as closing and fault status and pressure signal reflected in thousands of enterprise, bankruptcy and shut down, etc., running state more reflected in business living property real estate linkage market scale, efficiency, the lack of theory, namely market cross theory of the application of barriers, channels to create value network theory of pressure, transaction costs and into the linkage market strategy behavior difficulties, etc.; Such as fault state signal reflected in business living real estate market linkage at any time cannot lack of financial institutions, project scale, the larger the scope, the more need, but financial institutions need to use big data to solve the problem of regulatory and statistical efficiency, tools and regulation does not reach the designated position may make linkage market signal get slow, low efficiency, and so on; Such as pressure signal reflected in some enterprise, to solve financing thirst, in November, several real estate companies were allowed to issue large financing, total amount of tens of billions of dollars, light real estate announcement, purchase balance payment ABS listing transfer, issuance does not exceed 700 million yuan, still make to country garden enterprise group market capital transfer difficulties; For example, a new service will be derived from the big data, such as logistics big data service which will lay a faster and more efficient market linkage foundation for the logistics real estate (industrial real estate) and even the real

estate linkage market.

5. Linkage Market Stage Signal that is Divided into Three Primary, Intermediate and Advanced Linkage Stages, that is, Phased "Rest Signal"

For example, with the help of the global epidemic background, people's healthy and upward life yearning has also put forward a phased research topic for the scientific, orderly and benign development of Guangzhou's future urban renewal market. Such as studying the influence factors of market linkage: physical domain, information domain, cognitive domain, social domain [6], gave birth to the primary, intermediate, advanced three linkage stage, three stages game with political system, namely the real estate market property subject through to a system of a system of economic activity system rent and other system of the activity of the expected rent, linkage market makes the comparison become more likely. In the context of practical health public events, the following paper studies the following historical events, experiences and processes:

5.1 Primary Linkage Stage that is Improvement of Market Microstructure

The primary market linkage stage mainly involves the improvement of the market microstructure of the physical domain and information domain [7]. The microstructure of the market needs the correlation type of entrepreneurship, innovation and development vitality which generally has the leading information resources and enjoys the advantages of land. Such enterprises generally involve the change of the physical domain, the real estate market and other real estate market to establish effective linkage, coordination mechanism, to achieve competitive advantage. For example, different cities have different investment costs; different cities have different market opportunities, related to the intensity of market competition and the possibility of development space, need to use intermediary information.

Physical domain, information domain field also involves the market linkage mode, such as market optimization configuration, including quantity configuration and space optimization, land bearing capacity, set land expansion research, construction land regulation research

including land use zoning and development rights, support across synergy, industry evolution into the initial stage of urban agglomeration development that is namely embryonic stage. Different urban economic development level is different, related to the choice of forms, industry + real estate only from the physical domain, information domain perspective involves the primary stage of industrial real estate linkage. This format selection is a kind of enterprise behavior such as the first industry trend, deep processing, tourism, holiday tourism, its basic conditions including traffic conditions, facilities, improve itself scope, depth, connotation is different; The primary industry also inevitably determines the difference in the depth, breadth, positioning and value of industrial real estate linkage, from the new real estate form from shallow to deep, from extensive to professional, supported by industry, is an industrial promotion platform; Common industrial real estate in the market generally refers to the upgrading and replacement of industrial real estate.

5.2 Intermediate Linkage Stage that is Market Development, Promotion, and Establishment of Fluctuation Policies and Systems Based on Big Data Tools

Intermediate market linkage stage mainly involves the physical domain, cognitive domain that include market development, promotion, the establishment of tactics and system that different cities different scale directly affect the development of retail enterprises scale, mainly including must be combined with strategy innovation fluctuations, to have a good objective environment, any kind of formats have a localization process, benefit has market development, promotion and development. Such as fluctuation strategy and the establishment of the system: residential real estate market "restricted, credit", commercial real estate market sales is not prosperous, high vacancy rate, tourism real estate market development potential is huge, some new innovative forms such as home stay facility, logistics real estate market is high threshold, strong professional, logistics park vacancy rate is high, cultural real estate market on behalf of the development direction of the real estate market and advanced form, deserve attention.

For example, with the development of economy and consumption needs, the business form is constantly combining, confused, in innovation, in development, the linkage market to promote the real estate market to correct part of the disorder; For example, the second industry shows the research and development, agglomeration, subdivision industry chain trend, is the transition to the third industry, such as headquarters complex, industrial complex, research and development of creative park, theme industrial park (software park, logistics park, information industrial park, etc.), the aggregation of aggregation (such as: street), the function of aggregation (such as: headquarters economy) and resources aggregation (such as logistics park), formed the various types, various sizes of the park, This determines the different development paths and operation modes of industrial real estate, relying on the development needs of cities and industrial planning and layout, and forming the interdependent complex of industry and urban economic life, which is a platform for industrial development and urban functions. The agglomeration and development of industries must be deeply connected with the development goals and planning and layout of urban or regional industries. According to the characteristics of the industrial chain and value chain, the links that can form competitive advantages and development potential can be selected for industrial planning. On the basis of industrial aggregation, the industrial production capacity of urban complex can well form the linkage development of industry and urban economy, which can not only make better use of resources to gather industries and carry out industrial development and services, but also effectively improve the urban function.

5.3 Advanced Linkage Stage that is the Status Transformation of Market Actors and Participants and Social Logic Structure Based on Big Data Tools

The advanced linkage stage makes the political system should become the advocate and practitioner of the rule of law of the linkage market, and the linkage makes the market subject's investment in the development ability get a greater return or a touchstone in advance. Linkage makes the channels of transforming individual and social assets into economic

achievements more and more extensive, and linkage makes the market and the government in the function and regulation mechanism game again; Based on the market big data tool, the supply competition of government public land resources and the exclusivity of consumption are once again experienced.

Real estate market linkage refers to the social development in a large area, is a kind of social linkage, pay attention to market linkage contribution, there are different regions through the strategic adjustment of social structure, form a reasonable social division of labor system, realize the regional social complementary advantages, realize the coordinated development of regional society, so as to optimize the regional social structure, improve social level, enhance the purpose of the regional social competitiveness. Linkage market for economic and social development is more gradual, stage of time is long span, is a kind of market reform is also a form of change of economic system, and this change is driven by economic globalization, economic globalization to linkage market equality, fairness, "endure and wait".

The advanced market linkage stage mainly involves the status transformation of market actors and participants and the transformation of social logic structure [8]. The coordinates of the social domain will have capital, information, resources, technology, etc., these elements gradually form a interdependent and interactive, for example, such as the development of Lijiang, there are a lot of financial innovation in it; Such as prospective industry research point: real estate constantly positioning upgrade, in different stages of development, based on different project types may be in different levels, may also be all levels of comprehensive-improve structure and agglomeration, feedback the first, second industry, such as education, culture, film, television, tourism, exhibition and integration with business. Such as tourism real estate market development is the importance of market actors, participants status transformation and social logic structure: senior market, higher leisure life enjoy make tourism real estate in addition to the aid of ecological system, also embedded art elements (we look at Europe, the United States, are artists concentrated community, human social logic structure changed).

The goal of the status transformation of market actors and participants and the transformation of social logic structure is to gradually strengthen the symbiotic and mutual control effect within the social groups, the functional division of labor is becoming increasingly clear, the ripple effect of the gradient transfer of structure and structure is gradually obvious, and the administrative subordination of the vertical connection between different levels is gradually weakened. The principles of status transformation of market actors and participants and social logic structure: controlling the total amount, planning increment, adjusting stock and improving quality; the project market planning should be combined with urban planning, local economic development level, structural adjustment and layout optimization; the construction of facilities and survival and development; the regulation function of market and the basic role of market mechanism.

The theoretical basis of the transformation of the market and social logic structure [9]: 1) Based on the idea of system engineering, it puts forward the idea of supply chain system coordination "from inside to outside, from part to whole", and then studies the coordination of system and environment, which provides a systematic research framework for the real estate market linkage and system coordination. 2) Combined with the evolutionary game model of real estate linkage market and supply chain system coordination, chaos theory is applied to the system coordination and dynamic evolution analysis, and the nonlinear characteristics and chaos control in the dynamic evolution process of system coordination and coordination are tentatively studied. This is a necessary supplement and improvement of the traditional linkage market theory and supply chain theory, and provides a new research method for the system coordination and market linkage research. In practice, there is indeed chaotic behavior, but there is a lack of relevant methods to solve the problem of chaos theory. Exploring the method of chaos control in system coordination has certain practical guiding significance for promoting the coordination and cooperation of system members, improving the linkage market performance, promoting chaos theory to the practice of economic management, and solving some practical problems in

management.

6. Conclusion

At the end of this paper, we concluded that Guangzhou, one of the largest urban agglomerations in China, was born and slowly multiplied in the four linkage signals that it is trigger, control, feedback, stage, etc.; The capture of this signal has the characteristics of accidental and recessive inevitability. Even in the whole process of the global outbreak, the type of linkage signal will have small deviations and changes in different regions and time periods; However, in the years of the outbreak of the epidemic, the author believes that the spirit of studying the essential law through the phenomenon should be affirmed. Finally, I wish more new theories of prior knowledge and posterior knowledge during the world epidemic, and more Chinese Einstein and Edison figures.

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