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An Innovation Study on Retrieving the Chinese Top Cities GDP Changes Analysis through Sustainability

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Abstract

With regards to developing level the high-tech product will be exhibited by our scientist and engineers continuously. Hence, the artificial intelligence product ought to satisfy our request in modern society due to raising convenient one like health robot, massage robot etc many kinds. The better live is to be advocated by resent AI and automatic time through maker producing multi-functions robot and virtual world for us to experiment and find its strong might like those worked in the auto making assembly with quickness and precision that means the high quality and efficient, low contamination. We should continue to find more its function applying to all aspects of our surround like low-air economy for example the drone whose function is transiting big freight with several hundred Kilogram in southern area in Guangdong one. Thereby, the automatic time with high-intelligence electric product may exhibit in trial occasions for instance in expo &air-show exhibition where the most technological one is exposing too. From our atmosphere to space exploration many innovation products can be applied, so that the research &development division in maker will play an important role in transforming those immature substance performance published in CNS(cell, nature &science) etc. top journals describing the external and internal contained many measures to prove and narrate its achievement with some mathematical &experience formulas to approach its truth rule as for a defining materials and procedures which may result the eminent performance &demonstration for multi-functions. The reservation energy system as a new technique is to be searched for applying to airplane and vehicle &generating institution, therefore the new research direction would be proposed by scientists who proceeds in electric energy transforming chemical energy with renewable energy containing a little carbon fuel from the petroleum. The wind energy, photovoltaic energy adding nuclear one &hydraulic energy will be reserved in a cabin for using in its need time ie. peak time.

Keywords: *retrieving Chinese top cities GDP Changes, through sustainability, innovation Study.*

1. Introduction

The high-technique product and skill will become more significant than ever because AI (artificial intelligence) technique replaces the automatic and man-work flow-lines in a maker largely according to News report. So that those high-tech skill will transform into the product making ability may occupy a more important task for our scientist and engineers to deal with. Therein, the many AI Robots have to enter the maker workshop to efficient work for men

will be prevalent and low cost. At the same time, the AI Robot making makers will stand in the mount peak to proceed all kinds of experiment trials and expand those function software and hardware that may be instructed collaboratively by the university PhD who grasped some important message. Through contacting those cooperation experiment with parameters like temperature, time and deviation scope grasping conditions might be exhibited between them which may play an important effectiveness on how to produce the new product more precisely and having low-cost features. Another one will erect the product equipment like processing machine, automatic flow-equipment which may be depending on the out-source-enterprise with the demand condition. Then the scientists will give his opinions to the deviation endurance which makes the possible making capacity upwards and looks forwards to enduring more time without main error.

The tertiary industry would involve on service business like high-technique-service office for enterprises influence in one region whose making purchase order and complaint so as to request more orders from the maker in neighbor maker and sale centers. They will transfer message from the ultimate customer to factory for improving their some function continuously as a consultation company. On the other hand, the whole GDP increasement might influence the tertiary one reversely due to enough income could raise our consumption capacity, special in service business. However the which business we could proceed the GDP factors will be enhanced from their physical &brain labors. Thereby, whatever you pursued the certain dedication to our society progression at all.

At the end the tertiary one role is made strong more and more when seeing the GDP value, therefore more and more stores and offices will be allocated in city for the sake of acquiring more information about their products. Meantime, the special sale stores will be much than ever like Huawei handphone and i-pad even portable computer which is a high-light in a department lobby. Their aim at increasing sale amount is one aspect firstly, then sell EV etc. new concept electric auto is two one. As we knew the price difference between them might attain more than 50 times. So that the perspective will be watched special in the tertiary industry which may create more profitable mediate-life consumption less than ten years. Maybe after decade the humanoid robots would enter our life like family, coffee store &canteen in light of present tendency and development, so we might share the automatic time in advance. [1~24]

2. Discussions

The new technology will present the latest high-performance that includes in the quantum computer, artificial intelligence algorithm, robot, medicine molecule model, new materials aspects that may affect important influence on our harmony relations with experiencing cutting-edge-field. So we should clarify the defining limitation from publication academy of the newest journal for our senior engineers and scholars to search for the relevant connection with themselves subjects. So that the more academic level papers they had the more advanced capacities they are knowing and grasping those new weapons special in the energy transformation theme and then artificial intelligence robot algorithm for composing new molecule models to erect the fittest one to develop new feature drugs and new materials with those big super-quantum computers whose calculate is far speeder than the usual computer. The more sophisticated technique is better than the simple one due to its containing complicated calculation with advance mathematical methods. Therefore, the high-performance equipment may take up new and the quickest dealing system and capacity for us to use sustainably special to those difficult problems. [25~27]

2.1 The Chinese top cities GDP analysis

The Chinese cities GDP analysis might show 2.6 &2.1 trillion yuan by Suzhou &Hangzhou cities in 2023 correspondingly in terms of Figure 1 to record their high economy level. The y-y value would show 6.5% &7.5% by them accordingly realized their forwards developed steps.

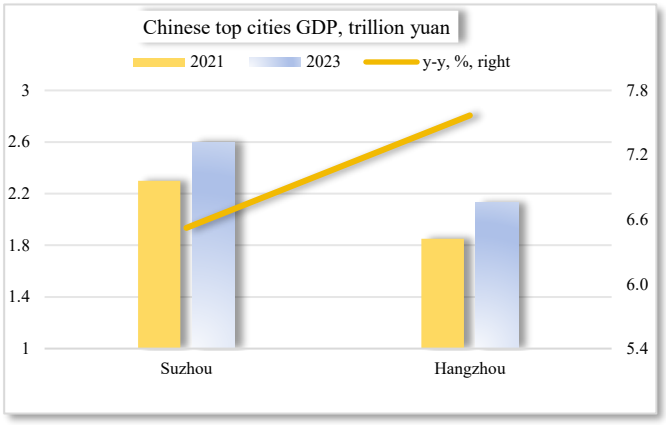

Figure 1 The Chinese cities GDP analysis. [1]

On the other side, the Chinese cities GDP analysis might show 1.8 &2 trillion yuan by Nanjing &Wuhan cities in 2023 correspondingly in terms of Figure 5 to record their high economy level. The y-y value would show 5% &7.5% by them accordingly realized their mediate developed steps.

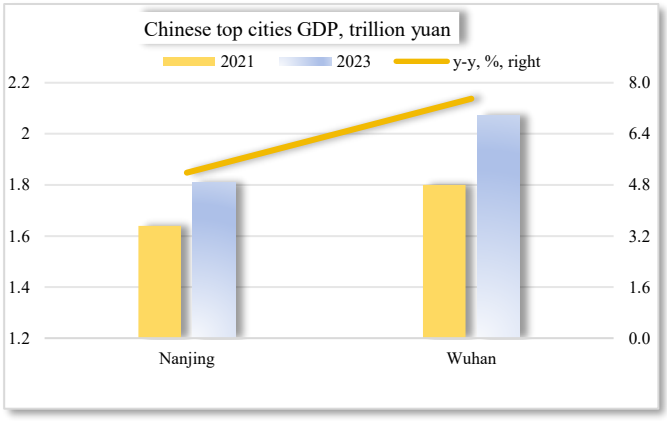

Figure 2 The Chinese cities GDP analysis I. [1]

On the other hand, the Chinese cities GDP analysis might show 2 &1.3 trillion yuan by Shanghai &Shenzhen cities in 2012 correspondingly in terms of Figure 6 to record their moderate economy level. The y-y value would show 2% &8% by them accordingly realized the Shenzhen forwards developed steps.

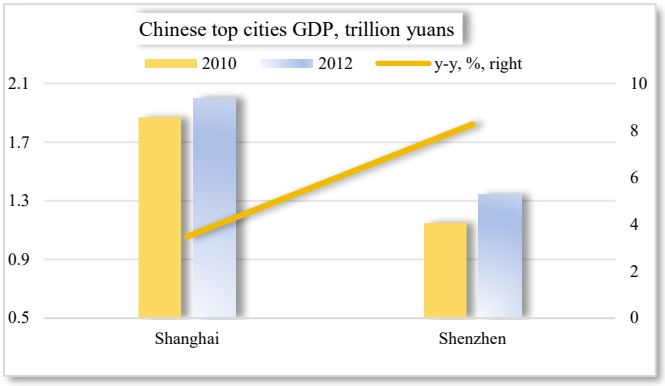

Figure 3 The Chinese cities GDP analysis II. [1]

At the same time, the Chinese cities GDP analysis might show 1.8 &1.2 trillion yuan by Beijing &Chongqing cities in 2012 correspondingly in terms of Figure 4 to record their more moderate economy level. The y-y value would show 8% &12% by them accordingly realized their forwards developed steps.

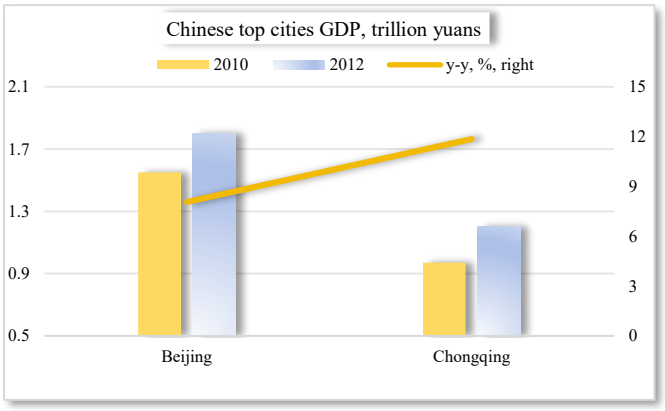

Figure 4 The Chinese cities GDP analysis III. [1]

At the same time, the Chinese cities GDP analysis might show 1.3 trillion yuan &0.87 trillion yuan by Guangzhou &Chengdu cities in 2012 correspondingly in terms of Figure 5 to record Guangzhou more mediate economy level. The y-y value would show 7% &12% by them accordingly realized their forwards developed steps.

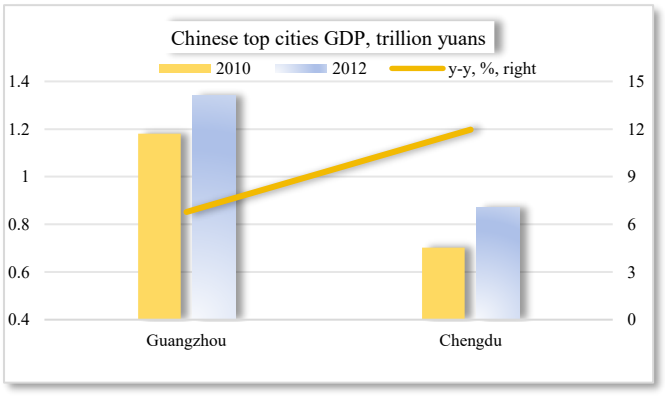

Figure 5 The Chinese cities GDP analysis IV. [1]

At the end, the Chinese cities GDP analysis might show 5.2 &3.6 trillion yuan by Suzhou &Hangzhou cities in 2012 correspondingly in terms of Figure 6 to record Suzhou more mediate economy level. The y-y value would show around 8% by both of them realized their forwards developed steps.

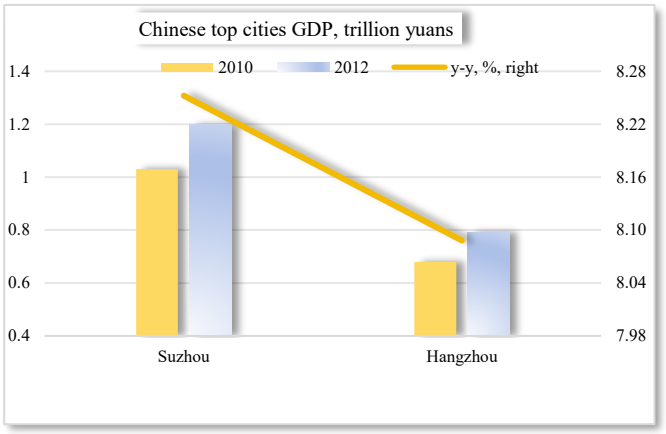

Figure 6 The Chinese cities GDP analysis V. [1]

2.2 Germany states GDP analysis

The Germany states GDP analysis might show 160 &480 billion dollars by Guangdong &North Rhine Westphalia in 2023 correspondingly in terms of Figure 7 to record North Rhine Westphalia one more upwards economy level. The y-y value would show 13% &-2% nominal GDP by them accordingly realized the Guangdong one developed step while the North Rhine Westphalia remained minus growth.

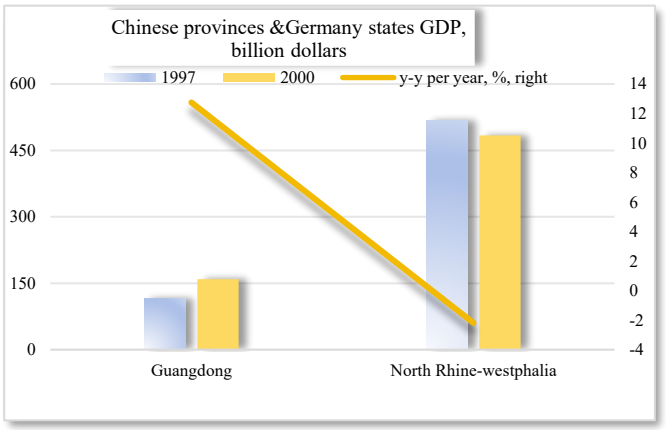

Figure 7 The Germany states GDP analysis [2]

Summarily, the new technology will present the latest high-performance that includes in the quantum computer, artificial intelligence algorithm, robot, medicine molecule model, new materials aspects that may affect important influence on our harmony relations with experiencing cutting-edge-field. So we should clarify the defining limitation from publication academy of the newest journal for our senior engineers and scholars to search for the relevant connection with themselves subjects. So that the more academic level papers they had the more advanced capacities they are knowing and grasping those new weapons special in the energy transformation theme and

then artificial intelligence robot algorithm for composing new molecule models to erect the fittest one to develop new feature drugs and new materials with those big super-quantum computers whose calculate is far speeder than the usual computer. The more sophisticated technique is better than the simple one due to its containing complicated calculation with advance mathematical methods. Therefore, the high-performance equipment may take up new and the quickest dealing system and capacity for us to use sustainably special to those difficult problems.

3. Conclusions

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Ethic Declarations

The authors declared that there were not conflicts of interest.

References

1. The Chinese cities GDP analysis, May 2, 2026
2. The Germany states GDP analysis, May 4, 2026
3. Run Xu, Screw Analysis of Head broken in Process[J],International Journal of Plant Engineering and Management, 2019, 24 (2):126~128,DOI:10,13434/j,cnki, 1007-4546,2019,0209
4. Run Xu, Convergence Proving of the Theoretical & True Elongation Inequalities by Derivation and Analogy[J], Journal of Metallic Material Research, 2020,April 3(1)：15~19, DOI:https://doi,org/10,30564 /jmmr,v3il,1757
5. Run, X, The Dynamics of Torque and Force on Hammer with Six Freedoms by Lagrange Equation in Robotic Arm,Social Science learning Education Journal,2020, 5(08) August, 300~309,DOI 10,15520/sslej,v5i08,2705 **Google Scholar, CrossRef**
6. Run Xu, The Dynamic Equation on Hammer with Lagrange in Robotic Arm, Social Science learning Education Journal, 2020, August,5(8), 297-300,https://doi, org/10, 15520/sslej,v5i0 8,2703 **Google Scholar, CrossRef**
7. Run Xu, Electric Vehicle Applications in Agriculture and its Prospects, Saudi Journal of Engineering and Technology, Nov, 2020, 5(11): 413-415, DOI : 10,3634 8/sjet,2020,v05i11,002 **Impact factor 1.2**
8. Run Xu, Simulation of HC Toxic and Inflamer through Outlet & Force on Cylinder with Temperature and the Relationship of Volume and Rotation in Engine of Vehicles, Saudi Journal of Engineering and Technology, Nov, 2020, 5(11):434 - 437, DOI : 10,36348/sjet,2020,v05i11,006 **Impact factor 1.2**
9. Run Xu, Jiaguang Liu, The Kinematics Model Establishment of Crank and Linkage with Time under Different High Rotation in Punching Machine, Saudi Journal of Engineering and Technology, Nov, 2020, *6*(4):51~61 : DOI: 10, 36348 /sjet,2021,v06i04,002 **Impact factor 1.2**

10. Run Xu, Jiaguang Liu, The Model Establishment of Force to Crank Angle under Idling in Vehicle, Saudi Journal of Engineering and Technology, Nov, 2021, *6*(4): 62~66, DOI: 10,36348/sjet, 2021,v06i04,003 **Impact factor 1.2**

11. Run Xu, The Simulation among Kinematic Properties of Crank linkage of Engine in Vehicle, Saudi Journal of Engineering and Technology, 2021,6(5):89~92, DOI: 10,36348 /sjet,2021,v06 i05,002 **Impact factor 1.2**

12. Run Xu, The Modelling of Torque and Angular Speed with Time on Hammer by Lagrange Formula in Robotic Arm, Saudi Journal of Civil Engineering, 2021, 5(5): 94~97, DOI: 10,36348/sjce,2021,v05i05,004, **Google Scholar, CrossRef**

13. Run Xu, The Numerical Simulation of Properties with Parameters in Three & Five Freedoms of Robotic Arm I, South Asian Research Journal of Engineering and Technology, 2021,3(3): 84~92

14. Run Xu, The Modeling for Flywheel Mass with Parameters of Crank & Linkage in Engine, South Asian Res J Eng Tech, 2021,3(3): 107-112

15. Run Xu, Boyong hur, The Numerical Simulation of Force with Parameters in Three & Five Freedoms of Robotic Arm I, East African Scholars J Eng Comput Sci, 2021, 4(5):69~76

16. Run Xu, Relations of Decay Constant and N/N0 in D Wave Molecule, Social Science learning Education Journal, 2020, August, 5(8), 289-292, DOI https://doi,org /10,15520/sslej,v 5i08,2701 **Google Scholar, CrossRef**

17. Run Xu, The Half Life Period and Radioactivity Curves of D Wave Molecule, Social Science learning Education Journal, 2020, August, 5(8), 293-296, DOI https:// doi,org/10,155 20/ssle j,v5i08,2702 **Google Scholar, CrossRef**

18. Run Xu, The Numerical Simulation of Properties with High Angular Speed & Low Angular Acceleration in Three and Five Freedoms of Robotic Arm, SunText Review of Material Science, 2021, 3(1): 113 **Impact factor 2.62**

19. Run Xu, Younwook Kim, The Numerical Simulation of Force with Parameters of Angular Speed & Constant Angular Acceleration in Three and Five Freedoms of Robotic Arm II, Cross Current International Journal of Economics, Management and Media Studies, 2022, 4(1): 1~10

20. Run Xu, The Numerical Simulation of Properties with High Angular Speed & Low Angular Acceleration in Three & Five Freedoms of Robotic Arm I, South Asian Research Journal of Engineering and Technology, 2022, 4(1): 1~9

21. Run Xu, and Younwook Kim, The Numerical Simulation of Force with Low Angular Speed and Constant Acceleration in Three and Five Freedoms of Robotic Arm, SunText Review of Material Science, 2022, 3(1): 117 **Impact factor 2.6**

22. Run Xu, The Numerical Simulation of Forces with High Angular Speed and Low Angular Acceleration in Three and Five Freedoms of Robotic Arm I, SunText Review of Material Science, 2022, 3(1): 115 **Impact factor 2.6**

23. Run Xu, Younwook Kim, The Numerical Simulation of Torque with Parameters of Speed & Angular Speed Acceleration in Five Freedoms of Robotic Arm III , SunText Review of Material Science, 2022,3(1):119 **Impact factor 2.6**

24. Run Xu, Younwook Kim, The Numerical Simulation of Force with Parameters of Angular Speed & Constant Angular Acceleration in Three and Five Freedoms of Robotic Arm II, SunText Review of Material Science, 2022, 3(1): 118 **Impact factor 2.6**

25. Run Xu, Younwook Kim, The Numerical Simulation of Torque with Parameters of Speed & Angular Speed and Acceleration in Five Freedoms of Robotic Arm IV, J Robotics Automation Res, 2022, 3(1): 59~63 **Google Scholar, CrossRef**

26. Run Xu, Younwook Kim, The Numerical Simulation of Torque with Parameters of Speed & Angular Speed and High Acceleration in Five Freedoms of Robotic Arm, SunText Rev of Mat Sci, 2022, 3(1): 122 **Impact factor 6.25**

27. Run Xu, The Dynamics on Hammer with Three Freedoms and Friction Vibration by Lagrange Equation in Robotic Arm, Research Square, 2020, June, DOI: https://doi,org/ 10,21203/rs,3,rs - 37335/v1 **SCI, EI**