International Journal of Multidisciplinary Research and Bulletin
ISSN 3108-1428 (Online)

Article History
Received: 25 July 2026
Accepted: 23 Sep 2026
Published: 04 Oct 2026

International Journal of Multidisciplinary Research and Bulletin
Volume 5 Issue 5 (Sep – Oct) 2026

DOI:
10.5281/zenodo.23141112

Copyright © 2026, Authors retain copyright. Licensed under the Creative Commons Attribution 4.0 International License (CC BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Keywords: China &Japan GDP strength analysis, an innovation design, new function, sustainably.

An Innovation Searching for Expedited China &Japan GDP Strength Status &its Estimation Sustainably

Run Xu

***Correspondence:** Run Xu

Gyeongsang National University, School of Nano New Materials Engineering, Jinju-Si 52828, Gyeongnam-Do, Korea(Rep)

ABSTRACT

A good company will enhance the recruitment rate in seeking human resource market where the good educational study and experience is welcome due to carefully studying &effortful out-come in better departments like computer science &technology auto-controlling one electronic engineering etc. advanced ones. So that he might be prevalent in human resource and its company that could be good one as well. So the more advanced subjects it is the better companies would recruit him for contributing to each side mutually. Therein, the better innovation research and development might be gained from the bilateral requirements that they are flexible working to do there. In the view of creating new innovative improvement for making product procedures and low cost substances the new and evolutionary will produce sustainably know how to change the difference between various products like automatic chip evolved into artificial intelligence. Those huge evolution may exhibit the designing and process besides composition capabilities from the up-stream factory to middle and down ones cooperatively and through acquisition. On the other hand, those many high-technique factory may produce the advancement ones continuously to ensure that their products have little default from automatic-flow-line to quality inspection. As knowing by us the products' quality will occupy an important role in user usefulness course who knew the how degree the product can present good performance and longevity additionally. We in factory must know the basic wrong to happen usually in final customer usefulness where the new one can be created like if the function becomes quality badness &another more advancement one that is needed, eg. That the wash machine adds dry all of the washed clothes can be better for using course and now the corresponding drying function will be prevalent in department store besides paying a little money. Therefore, the GDP(gross domestic product) relevant may be

improved by our effortful price by all of scientists and engineers and more hobbies whose roles will dedicate to the whole economic development joint. The more quality and longevity ones must be created by the factory continuously for satisfying our more urgent requirement derived from the final customers.

1. INTRODUCTION

The future factory will produce new innovative ones through the auto-flow-line with scale producing their key ones sustainably so that the product cost may decline continuously by upgrading the existing ones. Therein, the new idea from each side can construct the more advanced ones according to exerting “Zhixing Heyi” in China that means the knowledge will become behavior. So the senior engineer and some talents can be recruited from inner &others-resource for guaranteeing the existent product kinetic energy adding with upgrading the existence ultimately. As we knew the more advanced product we owned the more profitable we can get, hence the insistence in continuously developing new one become the vital factor for us to receive success and failure result that may expedite our research pace more stabilized and reliable in the end.

On the other side, the low cost and high-technique ones may be created continuously that means the scale producing in factories zone is to be produced with advancement technology eg. Chip, CPU(central processing unit), GPU(graphics processing unit) &new materials. Those having high-tech skilled products could promote its valid longevity and updated continually with its automatic performance so as to realize high-end requirement in modern society. For example, the computer science &technology owned its rapid CPU and RAM(random access memory) would become a sharp weapon to revolve the multifunctional demand like video, audio &calculation capacity besides the strong Internet searching one. We may exert its strong calculation characteristics to solve many statistics application like salary alignment, making charts with column graph, line, disc etc. many types function. Thereby, those GDP value per year may be derived from the high-tech corporations mentioned above to exhibit their innovation technological application to the corresponding places definitely and absolutely. No matter how it is difficult we make sure that the conquering it like a mysterious mathematical one with sustainability and continuity. The more scientists need to be done those sophisticated challenges

exhibited in mathematics, physics, chemistry &computer technology with contribution spirits. [1~30]

2. Discussions

2.1 China &Japan GDP strength analysis

The China &Japan GDP strength comparison might indicate 2.5 hundred billion dollars~1.8 hundred billion ones by Kanagawa~Hyogo county accordingly in 2001 in terms of Figure 1 illustrated the former Kanagawa county strengthening economic momentum. The y-o-y growth value could exhibit -7.4%~-6% by correspondingly to illustrate the HongKong higher developed pace with -1.7%.

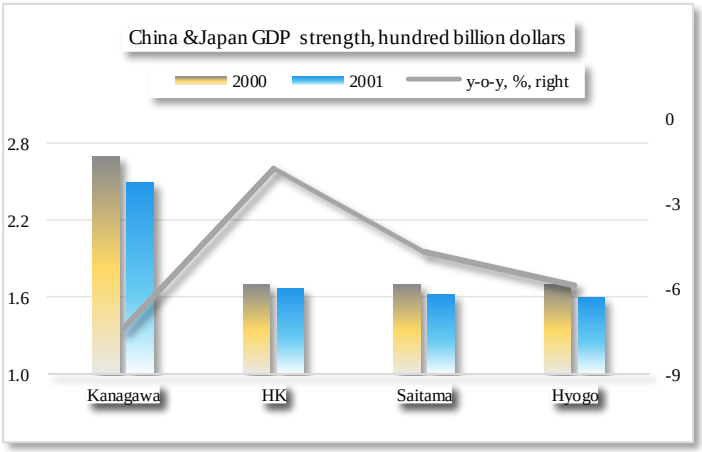


Figure 1 China &Japan GDP strength analysis. [1]

Moreover, the China &Japan GDP strength comparison might indicate 7.7 hundred billion dollars~2.7 hundred billion ones by Tokyo~Aichi county accordingly in 2001 in terms of Figure 2 illustrated the former Tokyo prefecture strengthening economic momentum. The y-o-y growth value could exhibit -5.3%~-4.8% by correspondingly to illustrate the Guangdong province highest developed pace with 11%.

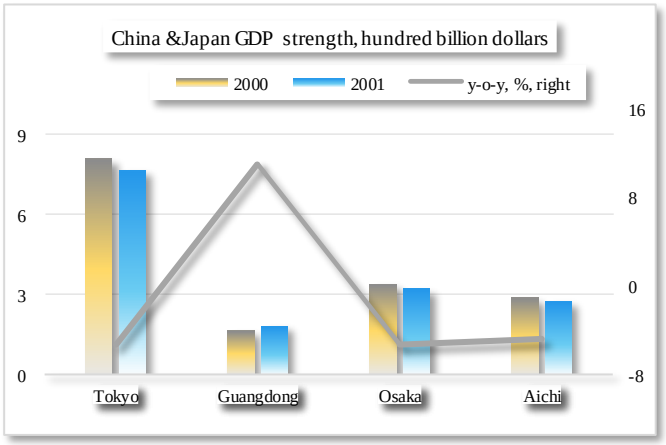


Figure 2 China &Japan GDP strength analysis I. [1]

Moreover, the China &Japan GDP strength comparison might indicate 3.6 hundred billion dollars~1.2 hundred billion ones by Tokyo~Kanagawa county accordingly in 1995 in terms of Figure 3 illustrated the former Tokyo city strengthening economic momentum. The y-o-y growth value could exhibit 41%~37% by correspondingly to illustrate the Aichi county the highest developed pace with 49%.

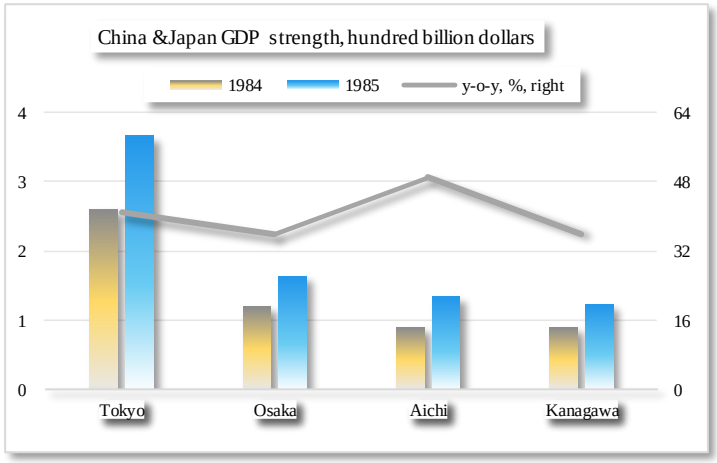


Figure 3 China &Japan GDP strength analysis II. [1]

At last, the China &Japan GDP strength comparison might indicate 0.75 hundred billion dollars~0.4 hundred billion ones by Taiwan~HongKong city accordingly in 1985 in terms of Figure 4 illustrated the former Taiwan province strengthening economic momentum. The y-o-y growth value could exhibit 19%~14% by correspondingly to illustrate the Saitama county the highest developed pace with 38%.

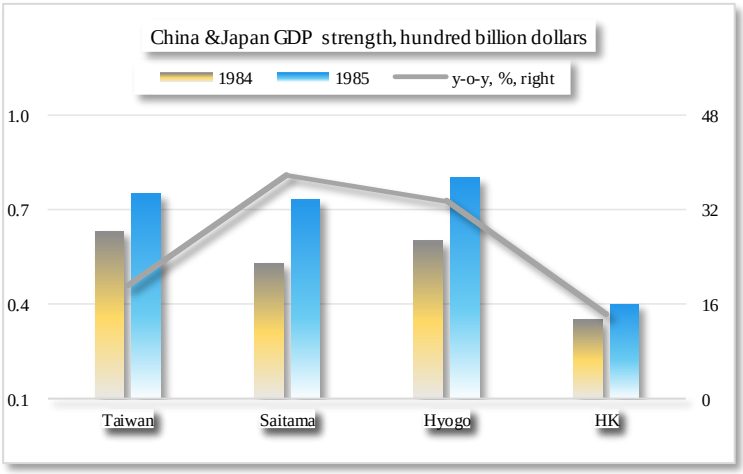


Figure 4 China &Japan GDP strength analysis III. [1]

3. Conclusions

The Chinese Guangdong GDP attained 14.58 trillion yuan ie. 2.17 trillion dollars that it occupied the whole country economy amount beyond 1/10 and continued 37 years to become No one in China. The value may indicate the No 11 with viewing in the global economy. The plenty of commercial &trade will become an important catalyst happened in the developed chance where it forms uniquely entire country's economy entity and heavy family basis. In the view of time chance there will be much effectiveness to the country and world melting influence let us know how the experience and features can determine the local regional economic big development. Small to one city and big to one nation the commercial and trade potential power will be huge for us to push the GDP value forwards developed dynamic and mild soft. The every region and country must be aware that the traditional and modern constructs the innovation force for us to learn and proceed in actuality economy behavior and judgement upon the specialist and scientists even general man. So those men's judgment in corresponding constitutions can become innovative courage and confidence for getting more destinations to follow ultimately. As for one city, the fist thing can be the characteristics in regions must be studied detailing to know what degree the one has from the commerce to trade and manufacturer with plenty of supply-chains and industrial chain &human resource chain, then look forward to participating some privileges industry according to the strategic planning made by governmental institution. Like the mentioned above Guangdong province it grasps the potential force and economic chance combination from several decades ago so that the top one leadership may be dominated by them up to now due to owning its geographical advantages and privilege and adding the foreign trade with the exportation and importation is to create Guangdong province perspective future. In addition, Guangdong not only has service business but also owned secondary business that maybe form the dual-edges-knifes which can exert its right from the two types of business and save business navigation special in the ship-transit-course.

Article Publication Details
This article is published in the **International Journal of Multidisciplinary Research and Bulletin**, ISSN 3108-1428 (Online). In Volume 5 Issue 5 (Sep – Oct) 2026.
The journal is published and managed by **IRPG**.

Acknowledgements
We sincerely thank the editors and the reviewers for their valuable suggestions on this paper.

Funding
This paper was supported by the Korean Science &Engineering Fund(KSEF) at the granted number 96-0300-11-01-03, under the Specific Basis Research Program.

Data availability
No datasets were generated or analyzed during the current study.

Declarations
Ethics approval and consent to participate
The author(s) declare that it is not applicable.

Consent for publication
The author(s) declare that this is not applicable.

Competing interests
The author(s) declare that they have no competing interests.

References

1. China &Japan GDP strength analysis, Oct 4, 2026
2. 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
3. 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**
4. 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**
5. Run Xu, Boyong Hur, A Simulation between Torque and Angle with Speed on Five Freedoms of Robot Mechanical Arm in Multibody Systems, Saudi Journal of Civil Engineering, 2021, 5(5): 91~93 Impact factor 1.2
6. 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**

7. 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**
8. 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
9. 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
10. 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
11. 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
12. 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
13. 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
14. Run Xu, The Modeling of Total Cost and Revenue in Stock Market on Economics,Saudi Journal of Engineering and Technology, 2021,6(9): 307~309 Google Scholar, CrossRef
15. Run Xu, The Modeling of Car Cost & Revenue and Best Profit in Manufacturer on Economics,Cross Current Int J Econ Manag Media Stud,2021,3(5) : 56~61 Google Scholar, CrossRef
16. Run Xu, Discussion to New Industrial Development in Africa I, Scholars Journal of Engineering and Technology, 2021, 9(10): 155~157 Google Scholar, CrossRef
17. Run Xu, African Industry on New Mechanism, South Asian Res J Eng Tech, 2021, 3(6): 163~165
18. Run Xu, Discussions to New Industrial Development in Africa II, South Asian Res J Eng Tech, 2021, 3(6): 177~180
19. Run Xu, The Relationship of Properties with Variable Mass of Block on Crank Linkage Mechanism in Multibody System, (American) SunText Review of Material Science, 2021,S1:

105 **Crossref,Goolge scholar, Scilit**

20. Run Xu, The Kinematic Models of Crank with Angle and Time in Motor Housing Process, Saudi Journal of Engineering and Technology,Nov, 2020, 5(11) : 474-47 9, DOI : 10,36348/sjet,2020,v05i 11,013 Impact factor 1.2
21. Run Xu, The Relationship between Volume and Pressure to Rotation & Torque in Engine Cylinder, Social Science learning Education Journal, 2021, 6(2), 364-367, DOI https://doi,org/10,15520/sslej,v6i2,2753
22. Run Xu, The Relationship between Force and the Temperature & Length within one Cycle in Engine Cylinder, Saudi Journal of Engineering and Technology, Nov, 2020, 5(11): 457-459 DOI : 10,36348/sjet,2020,v05i11,010 Impact factor 1.2
23. Run Xu, The Chinese Advantages Compared with Developed Country in New and Old Energy Converting & Manufacture Technology, Saudi Journal of Engineering and Technology, Nov, 2020, 5(11): 410-412, DOI : 10,36348 /sjet,20 20,v05i11,001 Impact factor 1.2
24. Run Xu, Research on the Automatic Production & Equipment in Korea Japan and China, Saudi J Eng Technol, Nov, 2020; 5(11): 416-418, DOI : 10,36348/sjet, 2020, v05i11,003 Impact factor 1.2
25. Run Xu, Simulation of Harmful Fuel Inflamer through Outlet & Maximum Pressure in Cylinder with Temperature in Engine of Vehicles, Saudi Journal of Engineering and Technology, Oct, 2020; 5(10): 407-409, DOI : 10,36348/sjet,2020,v05i10,008 Impact factor 1.2
26. Run X, Simulation of Harmful Fuel Inflamer with Time & Temperature in Engine of Vehicles, Social Science learning Education Journal, 2020, 5 (10) 364-367, DOI https:// doi ,org /10,15520/ sslej,v5i10,2736 Google Scholar, CrossRef
27. Run X, The Dynamics &Torque and Force-Angle Relation on Velocity of Hammer with Lagrange Equation in Robotic Arm I,Social Science learning Education Journal, 2020, 5 (09) September, 335-339, DOI: https:// doi,org/10,15520/ sslej, v5i07,2715 **Google Scholar, CrossRef**
28. Run X, Tip Speed Ratio & Pitch Angle Relations of Wind Turbine Blade, Social Science learning Education Journal, 2020, 5 (09) September, 340-341, DOI: https:// doi,org/10,15520/ sslej, v5i07,2717

29. Run Xu, An Activation Research on Motivating the Asian &Europe Nations GDP Status &its Evaluation by Scientist through Sustainability, International Journal of Multidisciplinary Research and Bulletin, 5(5), 2026, 1~10, DOI: 10.5281/zenodo.23019527
30. Run Xu, An Innovation Research of Expedited Asian Nations National Income Status &its Evaluation I, International Journal of Multidisciplinary Research and Bulletin, 5(5), 2026, 1~8, DOI: 10.5281/zenodo.23102766

Publisher's Note:
IRPG remains neutral with regard to jurisdictional claims in published maps and institutional affiliations. The statements, opinions, and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of IRPG and/or the editor(s). IRPG disclaims responsibility for any injury to people or property resulting from any ideas, methods, instructions, or products referred to in the content.