



The Research of Programming Cutting-Edge-Field Product & Skill like Publishing Articles on New Fellows Sustainably

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Abstract

The electrical generation would reflect the one region and country industry development level who plays an important role, so the multi-types electrical generating method like photovoltaic energy, wind turbine one and nuclear power plant. Thereby, we should consider the cost and efficiency relationship to make the advantage items to utilize in exploiting the green source which may bring out the innovation energy industry change in future. Meanwhile, the Robot and computer & AI (artificial intelligence) GPU can be applied to the newest robot and computer field to complete very sophisticated and humanoid structure which had realized the cutting-edge-field promotion continuously. In contrast, the journal will publish new papers on it online and offline to be convenient to us with Internet, so more reader can look at those papers which is a deep field to handle the defining destination in detail with experiment and model. Thereby, the relevant will identify the key content rapidly and judge its feasibility in making procedure with equipment after they discuss with the author for them to provide more detailing substantial proof. That is about to the industry, learn & research three factors in the transforming them into industry product, still there are many endeavors for us to judge the commercialization possibly like the materials cost, machine needs to be purchased, quality, its stability & efficiency. But there is still rapid procedure like purchasing the technique from the consult agency and supplier for the sake of quickness completion the former several stages to occupy the advantage power. So that the more scientist and experts would be necessary by now because they may promote our economy development level towards the developed countries which has a deep meaning. On the other side, the economy GDP (gross domestic product) y-y has an important value in statistics and economics in light of processing one nation general amount for hurrying to chase the former as early as possible. We should carry out the predict value by experts and government institution step by step for the sake of conquering the nations barrier. Then we have much rights to earn to export other countries and regions because we have enough space to encourage the export and import foreign trade to make us to play No. One economy community on the whole. Let's fight and win the play!

Keywords: research; cutting-edge-field; programming; product and skill; publishing article; new fellows; sustainably

1. Introduction

With developing economy the GDP (gross domestic product) will exhibit its strong role in one province even a country which as an indicator of economy development level expressed its effectiveness in all of our economy activities like the income status, foreign export and import trade, infrastructure erection etc. many aspects. So that the fitting increase aim will be becoming an important factor to a

country and a region which needs us to consider prudently and make corresponding plan in advance for the sake of progressing our economy promotion urgently and rapidly. [1~3] Meanwhile, largely investing in high-technique field can make our a series of industrious chain get developed which may employ more relevant talents even experts to participate those high-technique erection and manufacturing behavior, so that it could enhance the employment rate to decline government burden and leisure labor. So we should

hear the comment from the scientist and experts who has enough experience to interpret the currently meeting problem divided into the economy and high-tech aspects specially the latter will create many innovation idea and path for our engineers to participate into the projects made by government institution. Overview, the speciality will make speciality creation so those experts can innovate new feasibility for producing many high-tech products continuously and sustainably. The sophisticated product need corresponding skill and experiences so paying so much attention to it will become an important and significant meaning. [4~6] There the more experts and following engineers will be maintained and educated by the university and manufacturer so supply the qualified engineers would be chosen from a lot of new graduate from college or university. So the human resource and leader could choose from the abroad famous scientist and scholars who proceed the that innovation project fluently and have many years experience after they graduated and acquired MS(master of science) and PhD degree. [7~13]

2. Discussions

In general, the fellows and senior engineers must wield plentifully their wisdom and capacity in exploring the new phenomena in our world which may become a precious measure for us to acknowledge continually. We can follow their track to pursuit the searching navigation to capture some other cherish one for never stopping to explore the earth and universe broad source. Thereby there will be many things to wait us for exploiting its beneficial part to realize to conquer and use the cosmos energy's destination in end. [14~25]

2.1 China and Japan electrical generation ranking I

The China and Japan electrical generation would exhibit 673~778 billion degrees in 1988 in light of Figure1 where the variation indicated 105billion degrees expressed their middle economy background. Meantime, the y-y in 1988 attained 11.2% &4% accordingly explaining the former ie. China development rapidness in economy.

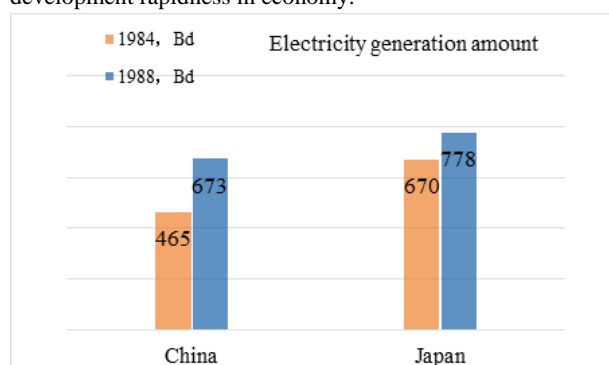


Figure 1The China and Japan electrical generation ranking . [2]

At the same time, the China and Japan electrical generation would exhibit 1,426~1,076 billion degrees in 1998 in light of Figure 2 where the variation indicated 350 billion degrees expressed their high economy background. Moreover they both surpassed the 1,000 billion degrees in 1998 exhibited their strongly economic development. Meanwhile, the one in 1991 attained 887 &916 billion degrees accordingly

explaining the former ie. Japan development entity in economy. In Figure 3 their y-y speed would narrate in detail.

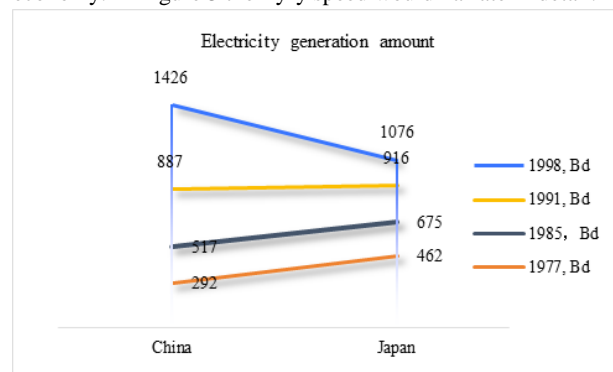


Figure 2 The China and Japan electrical generation ranking I. [2]

On the other hand, the China and Japan electrical generation y-y would exhibit 8.5%~2.5% in 1996 in light of Figure 3 where the variation indicated 3.4 times expressed the former China economy background. Moreover the China speed surpassed 9% in 1985 exhibited its strongly economic development speed. Meantime, the Japan in 1985 retained 6% explaining its Japan not bad development entity in economy. In Figure 3 their y-y speed would narrate in detail.

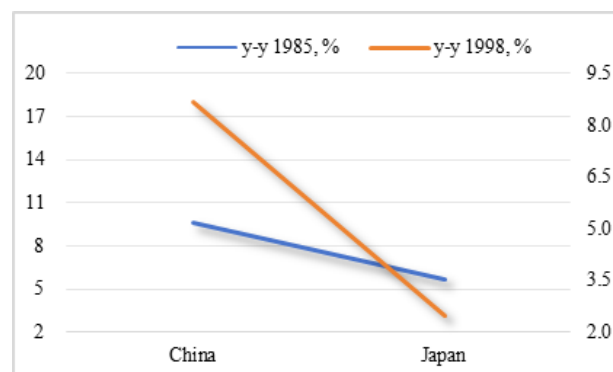


Figure 3 The China and Japan electrical generation y-y ranking I. [2]

Furthermore, the China and Japan electrical generation per capita ranking could show 1,000~3,300 degrees by China-Japan in light of Figure 4 accordingly where their variation indicate 2,300 degrees with large value expressing the latter Japan strong strength in economy in 1998. Therein, the China y-y speed afforded 8.7% while the Japan one remained 2.5% in 1998 explaining the former China strong economic development. In contrast, they has reached 12% &6% y-y speed correspondingly in 1991 explained the China highest development status.

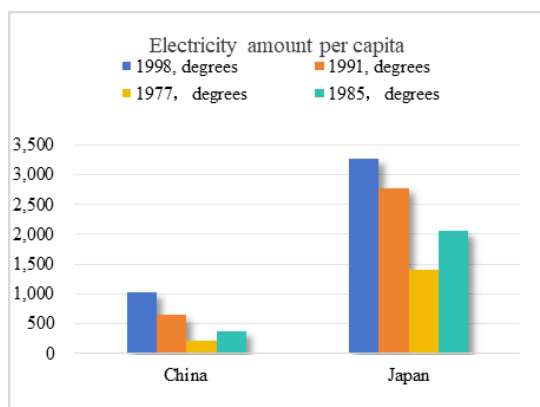


Figure 4 The China and Japan electrical generation per capita ranking I. [2]

2.2 China province top 26~29 GDP and y-y in the first half of 2025. [3]

The China province top 26~29 GDP exhibited 650~130 billion dollars by Gansu~Xizang municipal respectively in Figure 4 in the first half of 2025 whose variation attained 5 times expressed the Gansu province strong economy one. Meantime, the y-y value might indicate 4%~7% by Qinghai~Xizang municipal accordingly explained the Xizang strong economic development speed. In contrast, the Gansu and Ningxia would record 6.5% and 5.7% to maintain a high and middle value respectively. In addition, the Gansu and Ningxia variation could afford 2.5 times with bigger value as well.

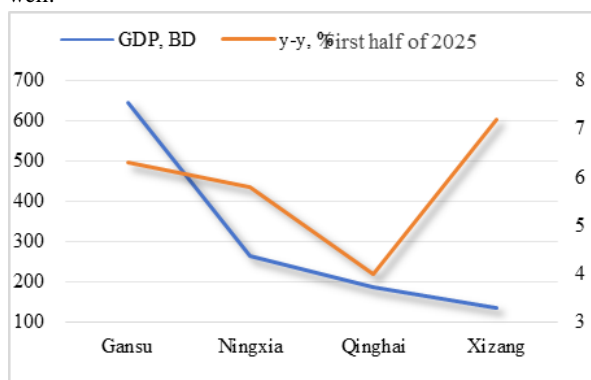


Figure 4 The China top 26~29 provinces GDP and y-y ranking in the first half of 2025.

2.3 Australia and Guangdong province GDP analysis

The Guangdong one and Australia GDP would show 760~1,400 billion dollars in 2010 in terms of Figure 5 whose variation might afford 1.8 times expressed the latter ie. Australia to be higher than Guangdong province in the economic development level. On the contrary, they recorded 25%~35.5% y-y speed to exhibit the latter ie. Australia stronger economy and entity in that year.

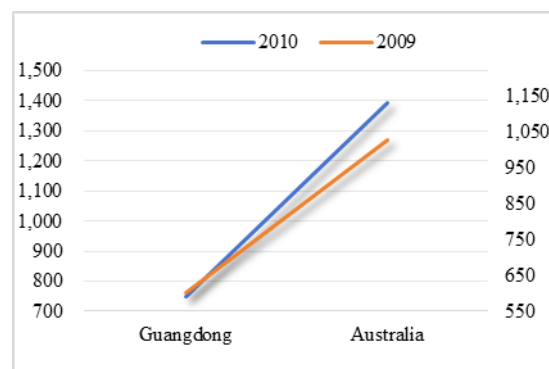


Figure 5 The Australia and Guangdong one GDP analysis. [4]

Furthermore, the Guangdong one and Australia GDP would show 880~1,580 billion dollars in 2001 in terms of Figure 6 whose variation might afford 1.8 times expressed the latter ie. Australia to be higher than Guangdong province in the economic development level. On the contrary, they recorded 22%~26.5% y-y speed to exhibit the latter ie. Australia stronger economy and entity in that year.

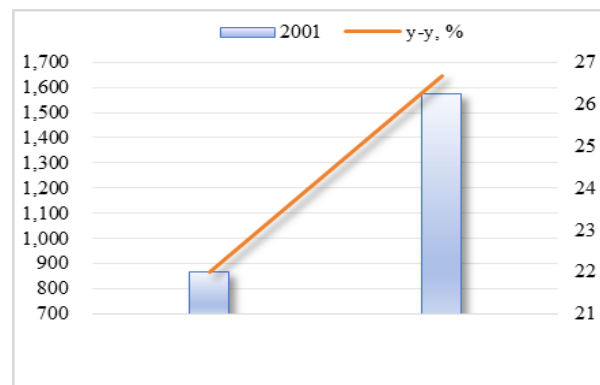


Figure 6 The Australia and Guangdong one GDP analysis in 2001. [4]

Furthermore, the Guangdong one and Australia GDP would show 70~330 billion dollars in 1994 in terms of Figure 7 whose variation might afford 4.7 times expressed the latter ie. Australia to be largely higher than Guangdong province in the economic development level. On the contrary, they recorded 22%~2.8% y-y per year speed to exhibit the former ie. Guangdong stronger economy potential in the year of 1994.

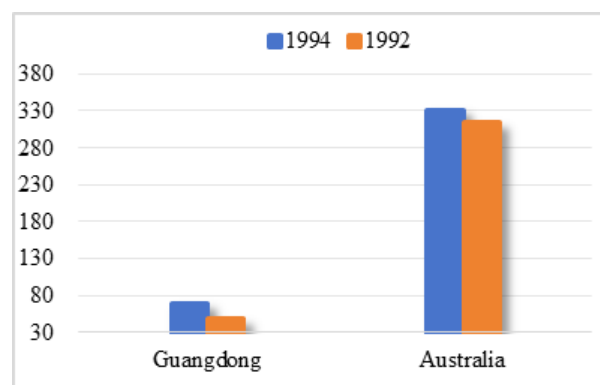


Figure 7 The Australia and Guangdong one GDP analysis in 2001. [4]

As to the economy development and energy consumption, the green energy with low carbon contamination will be necessary and important, which can affect the GDP largely in future, so we should analyze the GDP content included how much innovation product are produced and whether those value may progress the future low-coal industry, employed how many talents etc. actual problems. Then the right corrective measure can be erected specially in those most careful problem for the sake of protecting natural from over-population for the next generation. In addition, the employment amount will be enhancing with the high-technique product exhibited in social market more and more. There will be much chance to meet in front of us like seeking fittest expert or engineers who may take good charge of his duty on flow-line entirely. So that guaranteeing the product quality and efficiency will be increasing as well besides they are to plan new blue-diagram for innovation one continuously and sustainably.

3. Conclusions

Electrical generation would reflect the one region and country industry development level who plays an important role, so the multi-types electrical generating method like photovoltaic energy, wind turbine one and nuclear power plant. Thereby, we should consider the cost and efficiency relationship to make the advantage items to utilize in exploiting the green source which may bring out the innovation energy industry change in future. Meanwhile, the Robot and computer & AI (artificial intelligence) GPU can be applied to the newest robot and computer field to complete very sophisticated and humanoid structure which had realized the cutting-edge-field promotion continuously. In contrast, the journal will publish new papers on it online and offline to be convenient to us with Internet, so more reader can look at those papers which is a deep field to handle the defining destination in detail with experiment and model. Thereby, the relevant will identify the key content rapidly and judge its feasibility in making procedure with equipment after they discuss with the author for them to provide more detailing substantial proof. That is about to the industry, learn & research three factors in the transforming them into industry product, still there are many endeavors for us to judge the commercialization possibly like the materials cost, machine needs to be purchased, quality, its stability & efficiency. But there is still rapid procedure like purchasing the technique from the consult agency and supplier for the sake of quickness completion the former several stages to occupy the advantage power.

References

1. E-Mail, July 25, 2025
2. Japan and China electrical amount, July 25, 2025
3. China province GDP, Wechat, July 25, 2025, Internet
4. Australia GDP ranking, July 23, 2025
5. Run Xu, The Kinematic Models of Crank with Angle and Time in Motor Housing Process, (American) SunText Review of Material Science, 2021, S1: 104, DOI: <https://doi.org/10.51737/2766-5100,2021,S1,004> **Impact factor 2.6, Scilit, Crossref, Google Scholar**

6. Run Xu, The Modelling between Force & Torque and Crank Angle on Crank Linkage of Engine in Vehicle by Lagrange Formula I, Scholars International Journal of Chemistry and Material Sciences, 2021, 4(4): 36-39, DOI: [10.36348/sijcms,2021,v04i04,005](https://doi.org/10.36348/sijcms,2021,v04i04,005)
7. Run Xu, The Dynamic Modelling of Vortex Axis Blade between Speed, Force and Rotation under Variable Angle & Power in Helicopter, (American) SunText Review of Material Science, 2021, S1: 103 **Impact factor 2.6, Scilit, Crossref, Google Scholar**
8. Run Xu, The Study of Relationship between Current and Acceleration on Simulation in Motor, (American) SunText Review of Material Science, 2021, S1: 101, DOI: <http://doi.org/10.51737/2766-5100,2021,S1,001>
9. Run X, Parameters Simulation of Missile Track Trace with Linear Quadratic & Exponential Equation I, Social Science learning Education Journal, 2020, 5(9) September, 345-351, DOI: <https://doi.org/10.15520/sslej,v5i09,2720> **Google Scholar, CrossRef**
10. 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**
11. 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> **Google Scholar, CrossRef**
12. Run X, Modeling Control in Thread Process of Screw, Social Science learning Education Journal, 2020, 5 (08) August, 279-283, DOI: <https://doi.org/10.15520/sslej,v5i07,2697> **Google Scholar, CrossRef**
13. Run Xu, Dynamics Equations of Wind Turbine Blade, Social Science learning Education Journal, Volume 05 (07) July 2020: 258~264, DOI: <https://doi.org/10.15520/3sslej,v5i07,2695> **Google Scholar, CrossRef**
14. Run Xu, Parameters Simulation of Missile Track Trace With Linear & Exponential Equation, Social Science learning Education Journal, 2020, August, 5(8), 284-288, DOI: <https://doi.org/10.15520/sslej,v5i08,2698> **Google Scholar, CrossRef**
15. Run Xu, Cost Control with Modeling in Motor Housing Process[J], International Journal of Plant Engineering and Management, 2020, March 25(1): 51~64, DOI: [10.13434/j.cnki.1007-4546,2020,0105](https://doi.org/10.13434/j.cnki.1007-4546,2020,0105) **EI**
16. Run Xu, The Cost Control of Motor Housing Process [J], International Journal of Plant Engineering and Management, 2019, September 24

- (3) :187~192,DOI:10. 13434/j.cnk i.1007-4546.2019.0306 **EI**
17. Run Xu, The Simulation on Dynamic of Rotary Inertia and Engine's Inflamer in Light Vehicle [J],Journal of Mechanical Engineering Research, 2020, September 03 (02) :1~6,DOI:https://doi.org/10.30564/jme r,v3i2,1774 **Scopus, Google Scholar, CrossRef, Scilit,Cnki**
 18. 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 **EI**
 19. 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,v3i1,1757 **Scopus, Google Scholar, CrossRef,Cnki**
 20. 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**
 21. 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**
 22. 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**
 23. 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**
 24. 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**
 25. 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**