

The Future of Quantum Supercomputing and Space

What is the future of Quantum Supercomputing and Space?

Mr Cameron Ikin

Capricorne Spacial Agence

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Quantum Supercomputers and Multiparticle Dynamics.

- ▶ How might Quantum Supercomputers involve Multiparticle Dynamics?
- ▶ Multiparticle Dynamics, is a form of study which is most definitely involved in the Space Industry.
- ▶ Since this involvement will couple with an inevitable increase in demand of computer calculation capability, it is very likely that Quantum Supercomputers and Multiparticle Dynamics will have a close relationship.
- ▶ Quantum Supercomputers could conduct the calculations required for Multiparticle Dynamics with much more efficiency and accuracy capability.
- ▶ This will enhance this form of study and ensure any work done in the Space Industry, will be more efficient and with greater accuracy.

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Quantum Supercomputers and the New Space Age.

- ▶ How can Quantum Supercomputers influence the New Space Age?
- ▶ An increased interest, investment and production, has transformed the older space industry, into a 'New Space Age.'
- ▶ This New Space Age, will require increased calculation capabilities into the future.
- ▶ The Quantum Supercomputer can achieve this high calculation standard.
- ▶ Many Quantum Supercomputers can achieve significantly advanced calculation capabilities.
- ▶ Systems, like the Capricorn Model 1, can be engineered to be deployed in space itself.

The Likely Role of Quantum Supercomputers within Space.

- ▶ Explore, Evaluate and Nominate the likely role of Quantum Supercomputers and Space.
- ▶ Since we now know that requirement for more advanced calculations in the New Space Age, has been mandated.
- ▶ We can now determine the specific role of Quantum Supercomputers and Space.
- ▶ The New Space Age will greatly benefit from the deployment of Quantum Supercomputers, such as the Capricorn Model 1, into space itself.
- ▶ Space-based systems could conduct tasks such as; monitoring/controlling space traffic, assisting with updates/repairs on space equipment, managing data traffic flow amongst space systems, independent self location/movement decisions and linking in with future space systems.





Predictions of how Quantum Supercomputers will assist the New Space Age.

- ▶ Predictions of the role of Quantum Supercomputers in the New Space Age and how it will crucially assist this emerging industry.
- ▶ Since we now acknowledge that there will be an increased demand for calculation rates in the New Space Age, there will also be numerous ways that Quantum Supercomputers, like the Capricorn Model 1, can assist the New Space Age.
- ▶ We have already determined that a space-based system, like the Capricorn Model 1, would be of great benefit to the New Space Age.
- ▶ Further applications of Quantum Supercomputing can assist the New Space Age even further.
- ▶ An entire network of Quantum Supercomputing Systems could be dedicated to developing the substantial calculation networks that the New Space Age will most definitely require.
- ▶ These dedicated systems could eventually advance to the point where operators in this field could rely on the Quantum Supercomputers to make the majority of decisions and for it to take actions required by the human operators.