

Quantum computing

The background features a dark blue gradient with intricate, glowing blue light trails that resemble particle paths or data streams. A single, sharp horizontal blue line extends from the left edge towards the center, where it meets a more complex, bright blue cluster of overlapping light trails.

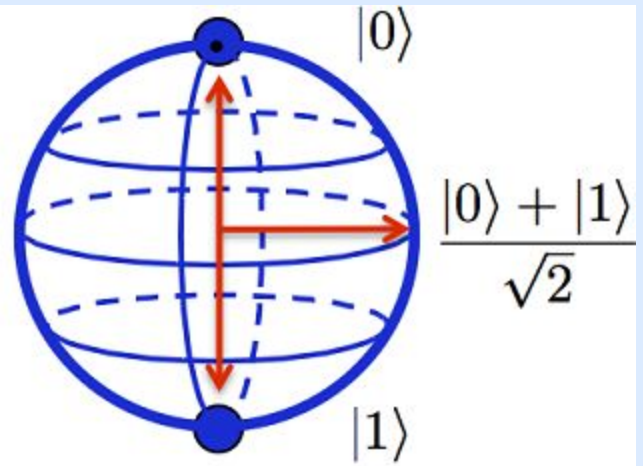
Tverdov Konstantin, group 592

Plan:

- Explanation of work
- Problems and difficulties
- Possible application

● 0

● 1



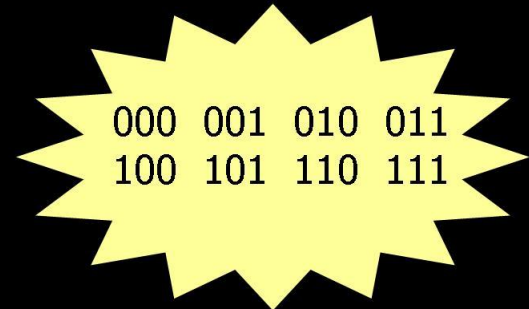
Classical Bit

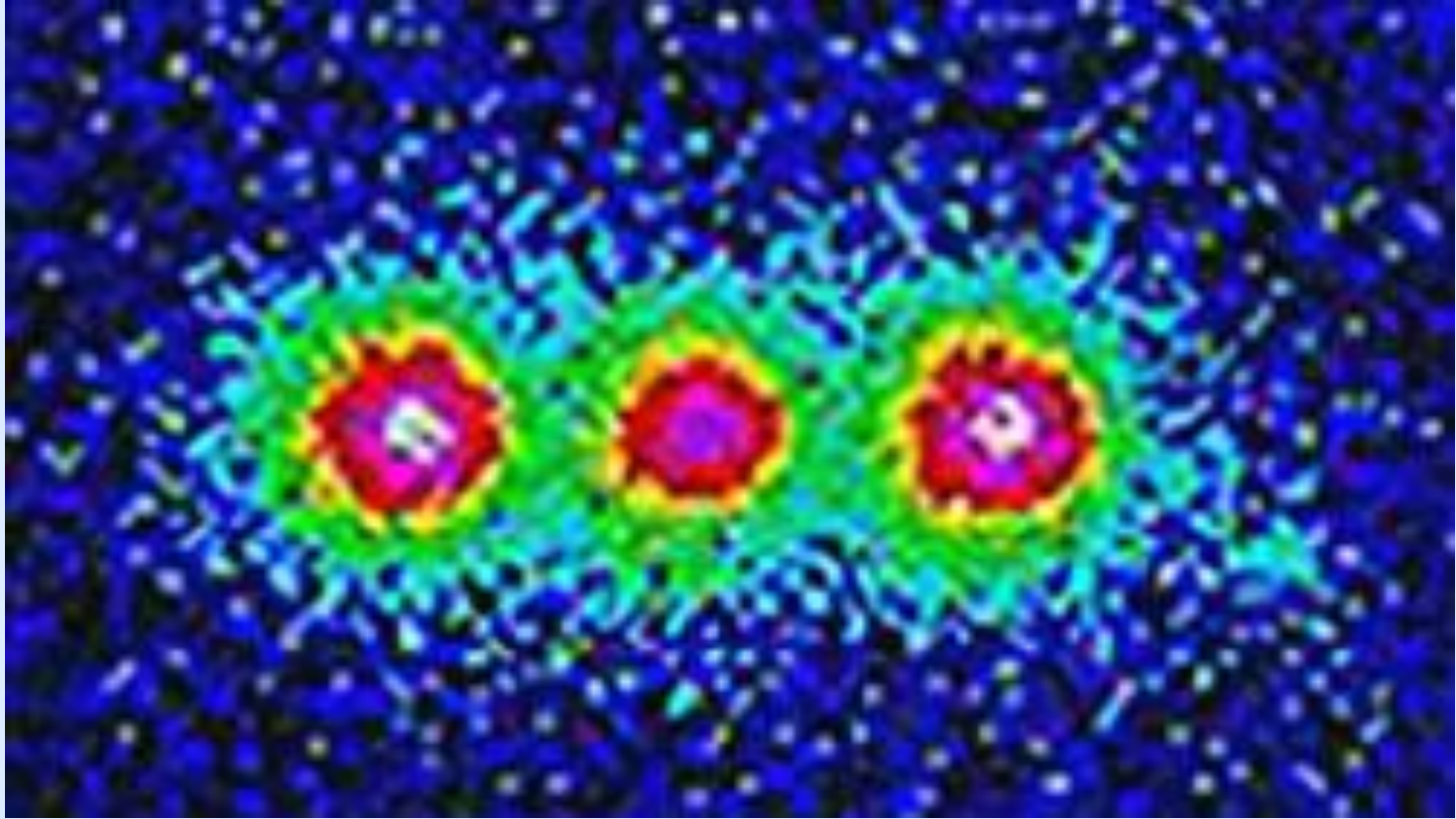
Qubit

Classical register

Quantum register

101





Baby quantum computer made up of three Beryllium atoms which are used to store three qubits

Difficulties to overcome:

- Small area to apply
- Correctness of the result
- Two ways to develop
- Encryption



What is the future of quantum computing?

- Physics simulation
- Health
- Finance
- Computing



Thank you!

Questions?..