



Quantum computers



Summary

- What is quantum computing
- How does it work?
- Challenges and progress
- Impact and future
- Conclusion



Quantum state

29 Cu 30 Zn

46 Pd 47 Ag 48 Cd

78 Pt 79 Au 80 Hg





What is quantum computing

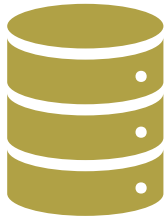
Qubits

Superposition

Etrangement

Quantum interference

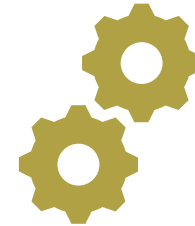
How quantum computers work



Qubic storage



Signal transfers



Classical control

Challenges and progress

Fragile

Big investment (IBM, Google, etc..)

Future potential

Is it really useful?

Impact and future



REAL LIFE
SIMULATIONS



REDUCE COSTS



SOLVE MODERN
PROBLEMS



Conclusion

Thank you

