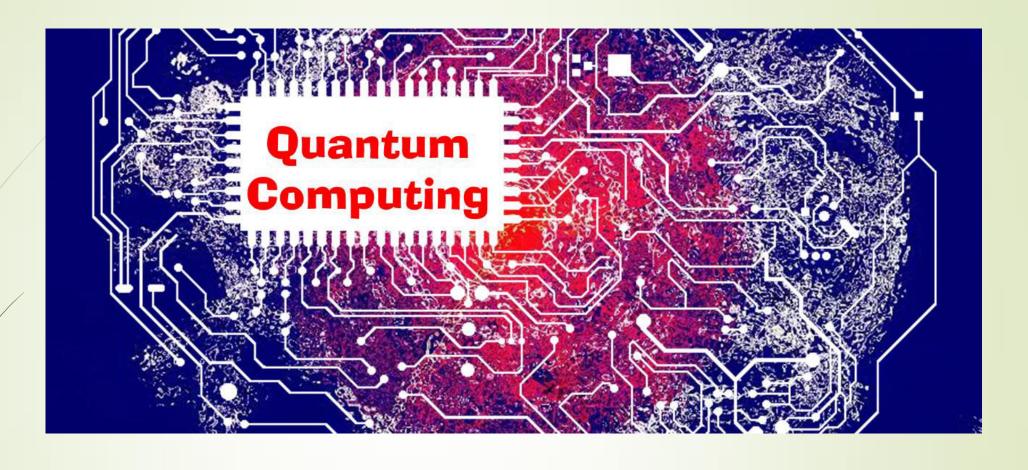
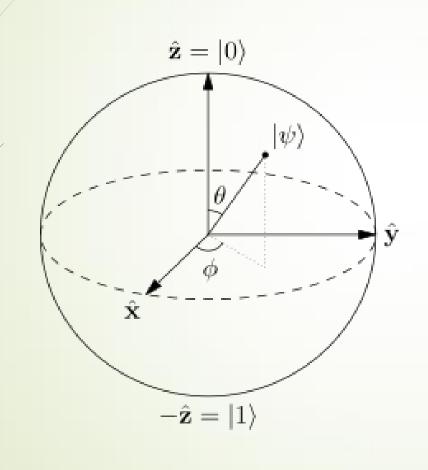
# Quantum knots in computing

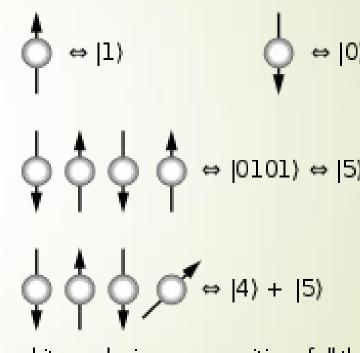


The Question – Quantum computing

#### The power of qubits

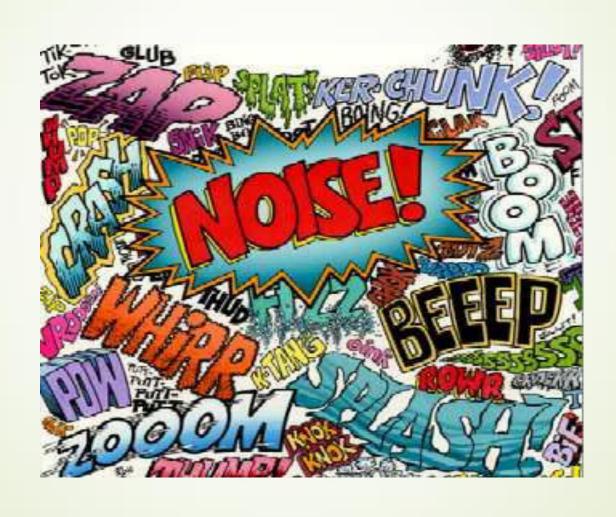


-Bloch sphere representation

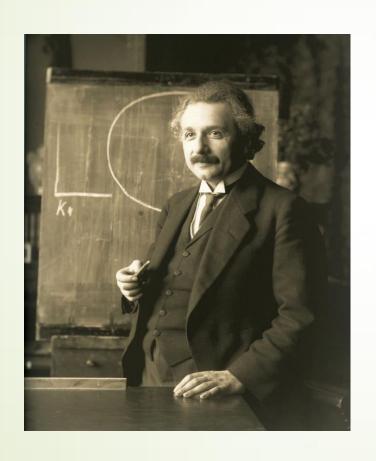


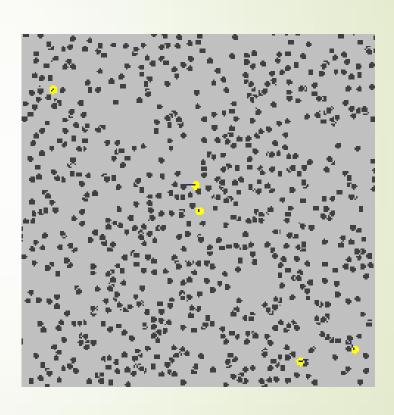
qubits can be in a superposition of all the clasically allowed states

#### The issue with quantum computing



## Fluctuation dissipation theorem



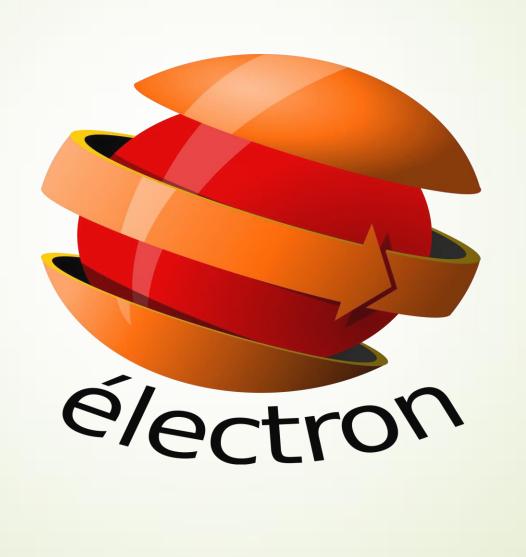




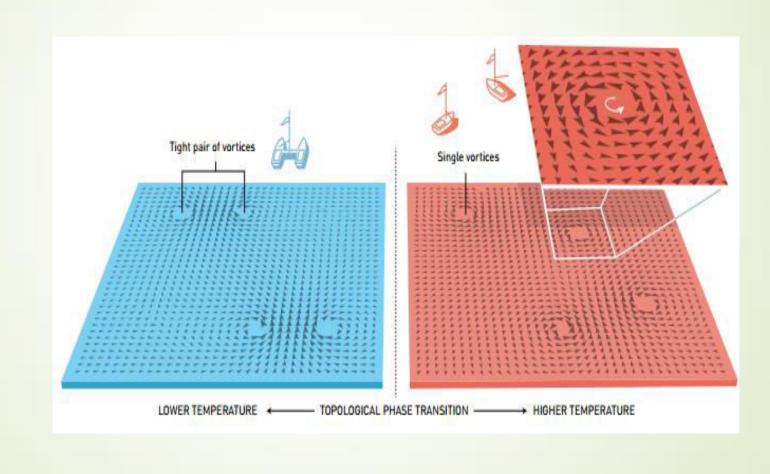
The breakthrough

Nobel Prize - Physics 2016

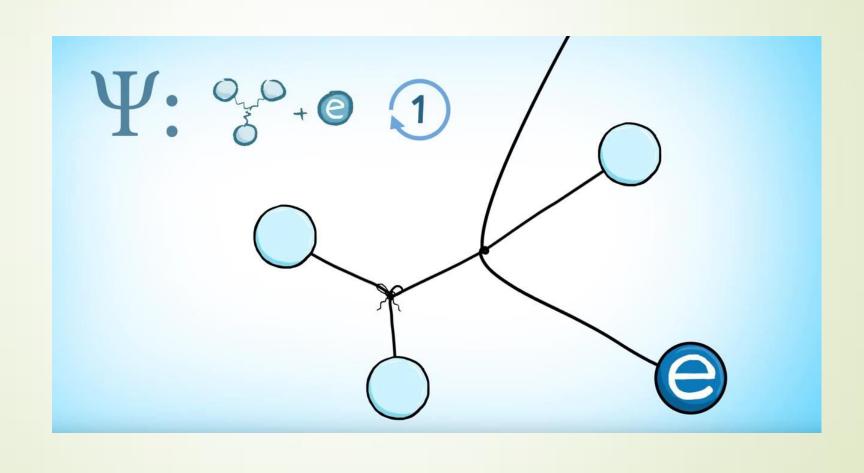
The unbreakable electron...



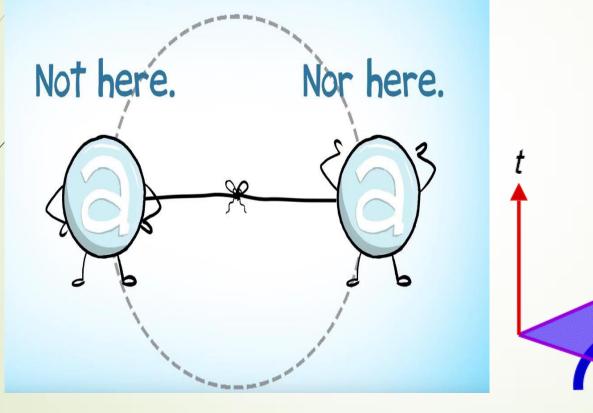
#### ...is not so unbreakable

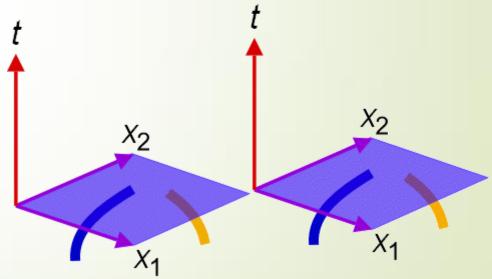


#### A new model

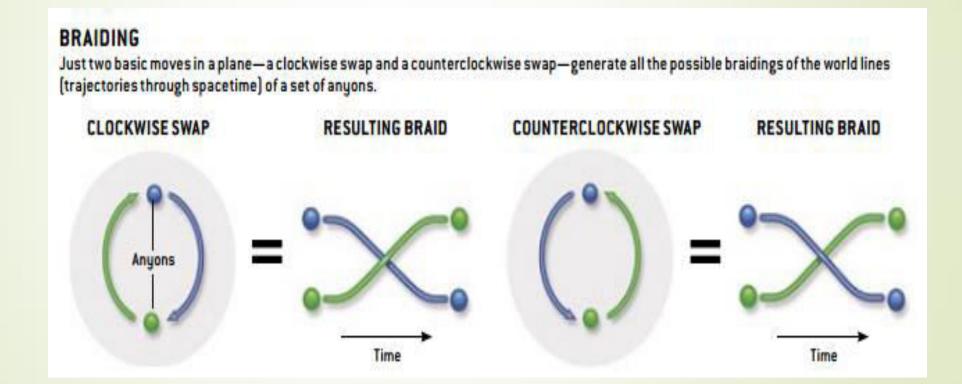


### The solution - Anyons

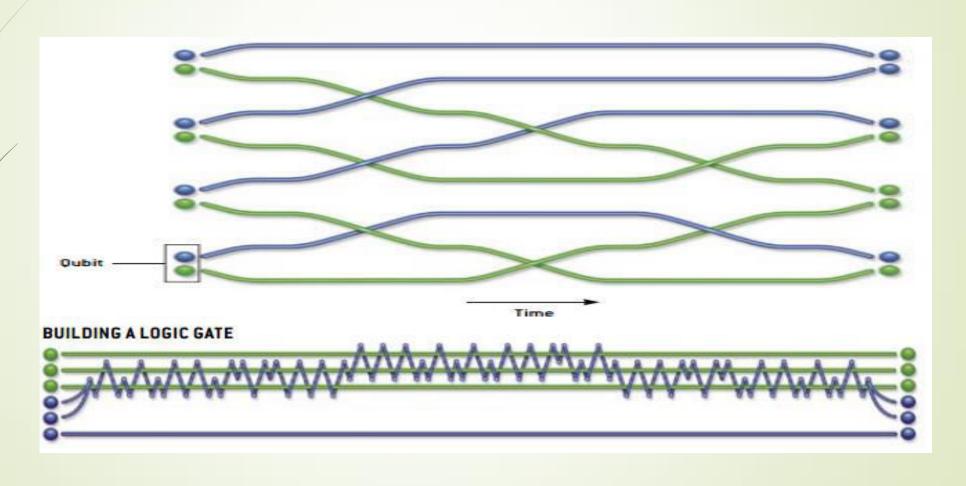




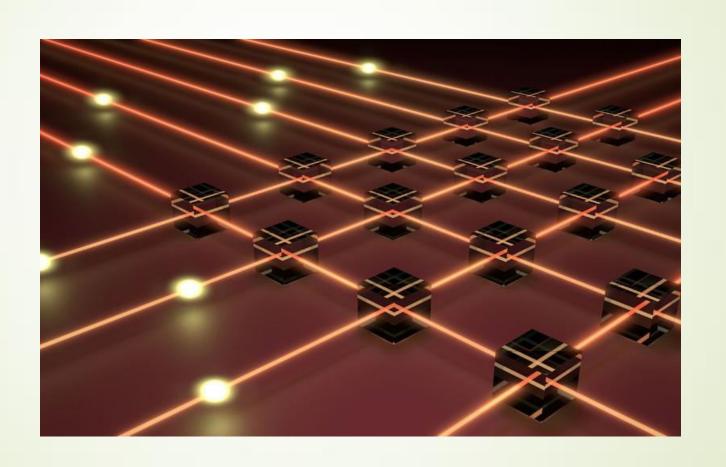
# How Topological quantum computing would works



# How Topological quantum computing would works



## Quantum computing going forward



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- https://en.wikipedia.org/wiki/Quantum computing
- https://www.youtube.com/watch?v=hKFecm9NKbM
- Images from google