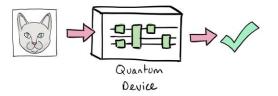


QUANTUM MACHIE LEARNING



XX CIITI - 29 DE SETIEMBRE 2022 - JUAN PABLO BRAÑA





Tamaño del asteroide: 160 metros

Distancia de la Tierra: 11 millones de kilómetros

Velocidad: 22.000 km/h

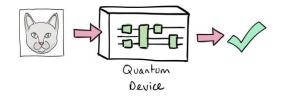
Tipo de navegación: Autónoma sin supervisión humana en el último tramo



Voyager 1 Fecha de partida: 1977

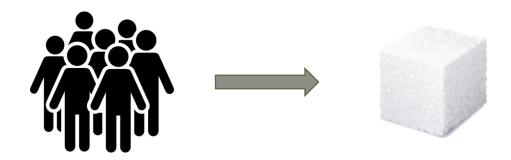
Distancia recorrida dese la Tierra: 23.500 millones de kilómetros

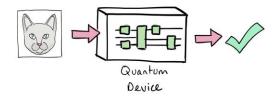
Voyager 2, luego de 11 meses volvió a trasmitir



Los átomos son 99.9999999999 espacio vacío

7.9 billones de personas podrían comprimirse en un cubo de azúcar

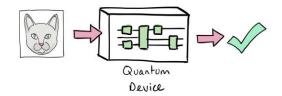






Nature isn't classical, dammit, and if you want to make a simulation of nature, you'd better make it quantum mechanical, and by golly it's a wonderful problem, because it doesn't look so easy.

— Richard P. Feynman —





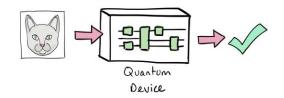
Nature isn't classical, dammit, and if you want to make a simulation of nature, you'd better make it quantum mechanical, and by golly it's a wonderful problem, because it doesn't look so easy.

— Richard P. Feynman —



I think I can safely say that nobody understands quantum mechanics.

(Richard Feynman)



COMPUTACIÓN CLÁSICA --> FÍSICA CLÁSICA

COMPUTACIÓN CUÁNTICA --> MECÁNICA CUÁNTICA

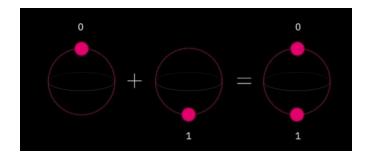
QUANTUM COMPUTING IS NOT UNIVERSALY FASTER THAN CLASSICAL COMPUTING.

IT IS ONLY FASTER FOR SPECIAL TYPES OF CALCULATIONS WHERE YOU CAN USE ALL THE SUPERPOSITION AND PARALELISM POWER TO OBTAIN A MEASURABLE RESULT.

SO, IT IS NOT A REPLACEMENT OF CLASSICAL COMPUTING.

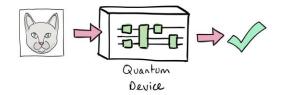
IMPLICACIONES

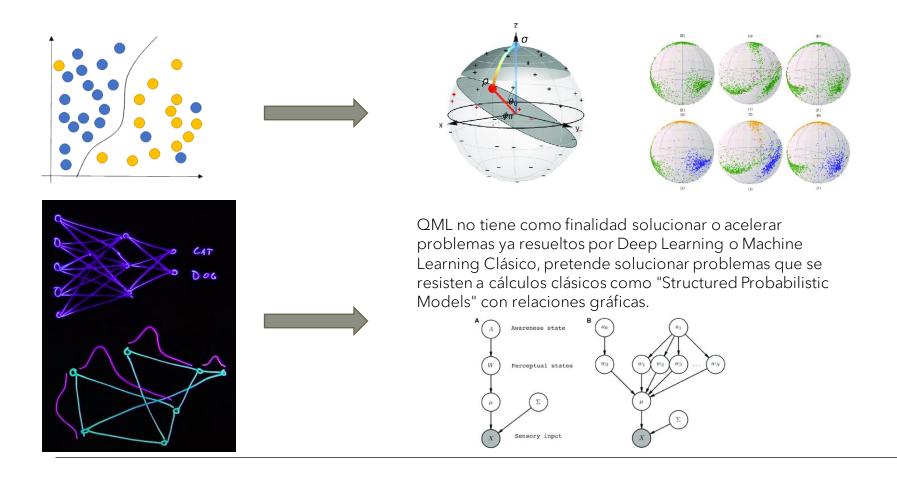
- TÉCNICAS:
 Mayor velocidad de cálculo en determinadas operaciones
 Nuevos paradigmas y algoritmos de cálculo y algoritmos
- SOCIALES RELIGIOSAS FILOSÓFICAS Many-Worlds Interpretation Quantum Mind or Quantum Consciousness

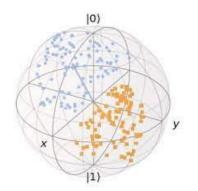




SUPERPOSICIÓN & ENTRECRUZAMIENTO



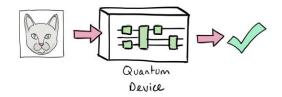




HYBRID QML







MUCHAS GRACIAS

JUAN PABLO BRAÑA juan.brana@i-314.com | Twitter: @i_314