薛定谔为程: Time dependent form:
ih + 4(xt) = - 1 (x,t) + V(x) + (x,t) + (x,t)
Time - independent form: -
Variational Quantum Algorithm
要分厚理: 薛定污为程的任何近似解的对心的能量均比转基态的能量更高
设定的研究体系的吃密顿量算符为日,任意一切上化的波色数为中
E= (41H) E>CO E的体制总能量,只有性描述体制态的液面数据
一直 一直
Ising Model. H=- \SJij 6 i 6j +h \S6 i. 6k \(\xi \xi \xi \).
Hopfield Network:
The discrete-time Hopfield Network always minimizes exactly the following U(k) = \frac{\frac{1}{2}}{2} \text{Wij} (\frac{1}{2} \text{ik}) - \frac{1}{2} (\frac{1}{2})^2 + 2 \frac{1}{2} \text{His}(k) The discrete-time Hopfield Network always minimizes exactly the following previous following following previous following
ST < [if \(\) if \(\) is the strength of the connection weight from unit i to unit i \(\) \
3 bi is the threshold of unit i
Al for anantum Quantum Chemistry , Quantum arcut Compiling ;
Quantum Error Correction, Quantum Hardware Design



量于计算与人工智能初探。
Q:什么是量子? 经典力学的利略 牛顿)
量谈
金網 大是松子 —— 无电效应(麦因斯坦)
光的探索 一大是法——双缝干射(托马斯场)
Superposition. 量加志 与纠缠.
Quantum Entanglement eg.上海山東南美山南河 O.烈北京南河!
Quantum Computing.
Quantum Bits and Gates. Bits 查支量数量. Gates:改变量子态.
》将门着作矩阵进行计算
Quantum Supremacy (?可容实积)->es.50Bite /000随机取样 time <200min
Quantum Advantage 量子Bit不可复制, Z. Beyond Classical on certain problem
3. Dedicated anantum Simulator with Practical value
4. Fault-Tolerant Universal Quantum Computer
Development Stage: M1. (54物理比特) 超越经典 M2(的物理比特) 逻辑量子中
M3 (10物理比特)一个长寿命逻辑比特 M4. (10物理比特)逻辑量于门 特原型
Ms.(局物理比特)工程规模扩大 Mb.(的物理比特) 宏错量于计算
Quantum Artificial Intelligence.
Availational Analys Variational Quantum Algorithm.
Algorithms Effects 在是于对于植迹微观粒子状态变化规律的运动方程是薛定语
classical [interested AI for anamoun 子] 126年提出,成科薛克诺就到即从赶强构层面来闲都行的食
classical Cenantum 进展及分子间的相互作用的本质

