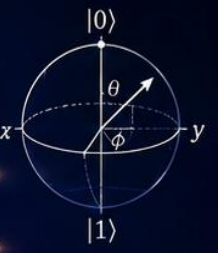
QUANTUM COMPUTING

$i\hbar\frac{\partial}{\partial t}\Psi = \hat{H}\Psi$

$|\psi\rangle = \alpha|0\rangle + \beta|1\rangle$

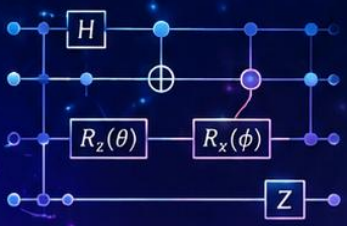
$|\alpha|^2 + |\beta|^2 = 1$

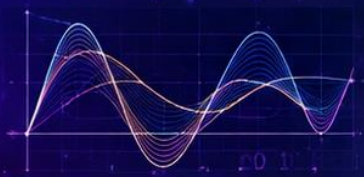


From Foundations to Future Technologies

A Complete Journey from Quantum Principles and Qubits to Algorithms, Applications, Hardware and Careers

QUANTUM FUNDAMENTALS | QUBITS & QUANTUM INFORMATION | QUANTUM GATES & CIRCUITS | QUANTUM HARDWARE | ERROR CORRECTION & RELIABILITY | ALGORITHMS & APPLICATIONS | CAREERS & FUTURE SKILLS





$|\psi\rangle = \alpha|0\rangle + \beta|1\rangle$

CRYPTOGRAPHY

ARTIFICIAL INTELLIGENCE

CHEMISTRY & MATERIALS

OPTIMIZATION

COMMUNICATION

Dr.Thyagaraju G S

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