



Seminar

7th September 2023, 15h

Departamento de Matemática da Universidade de Aveiro
Sala Sousa Pinto

Introduction to Quantum Computing with Scilab (or Matlab)

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Abstract

Quantum Computing is surrounded by a reputation of mystery because of the weird behavior of quantum particles.

In this talk, I will show that since basic gates (Pauli gates, CNOT, Toffoli gate) and entanglement are quite easy to describe with linear algebra, it becomes possible to illustrate the huge potential of Quantum Computers thanks to the Grover algorithm. I will present a 10 qubits implementation of a simulation run on Scilab.

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