

Machine Learning for maximizing the memristivity of single and coupled quantum memristors

lunes, 13 de mayo de 2024 12:00 (30)

We propose machine learning (ML) methods to characterize the memristive properties of single and coupled quantum memristors. We show that maximizing the memristivity leads to large values in the degree of entanglement of two quantum memristors, unveiling the close relationship between quantum correlations and memory. Our results strengthen the possibility of using quantum memristors as key components of neuro-morphic quantum computing.

Presenter(s) : HERNANI MORALES, Carlos (ETSE, UV)

Clasificación de la sesión : Session 2