UNIVERSITÀ DEGLI STUDI DI MILANO
DIPARTIMENTO DI FISICA
QUANTUM TECHNOLOGY LAB

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Machine learning for quantum technology

Abstract:

The diffusion of deep learning algorithms has boosted the research in several fields. The paradigm shift from knowledge-based to representation-based artificial intelligence has opened the chance to apply novel methods to physics. I review quantum computer architectures, how to combine quantum computers with artificial intelligence, and I present a practical example of how to steer a quantum system by exploiting deep reinforcement learning.

European Commission

For further info:
http://users.unimi.it/aqm/