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Neural autoregressive toolbox for many-body physics

Monday 27 September 2021 15:50 (50 minutes)

I will discuss our recent work on the use of autoregressive neural networks for many-body physics. In particular, I will discuss two approaches to represent quantum states using these models and their applications to the reconstruction of quantum states, the simulation of real-time dynamics as well as the approximation of ground states of classical and quantum many-body systems.

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Session Classification: Session 2