

Information theory and computation

Federico Agostini, Federico Bottaro – Exam assignment

Sent on March, 2nd

Exercise 1:

Study and implement the ground state search via Neural Network introduced in Science 355, 602 (2017).

Exercise 2:

Implement a Lancsoz algorithm to study large exact quantum many-body systems .

Exercise 3:

Test and compare the two approaches in the one and two dimensional Ising model in transverse field.

Due on April, 5th