

## Introductory Course to Tensor Networks



Contribution ID: 4

Type: **not specified**

# Tensor networks

*Tuesday 26 September 2023 09:30 (1h 30m)*

1. Tensor networks (1.5 hours)
  - 1.0 Basic definitions, and examples of networks
  - 1.1 Cost of tensor contractions, the pairwise strategy, finding the correct sequence
  - 1.2 Matrix factorization, the SVD, QR and higher order SVDs and QR decompositions
  - 1.3 Special tensors unitaries and Isometries

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