

## From random tensors to tensor field theory

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Random tensors exhibit a  $1/N$  expansion dominated by melonic graphs. The large  $N$  limit of these models is thus richer than the large  $N$  limit of vector models, but more amenable to computations than the one of matrix models. This series of lectures is divided into two parts. In the first part I will review the melonic large  $N$  limit in combinatorial tensor and vector/tensor models. In the second part I will discuss the  $O(N)^3$  field theory in the large  $N$  limit.

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