A recurrence for tensor models

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Abstract

In the setting of matrix models, the topological recursion has pushed forward the frontier of our understanding. It is now known to apply to numbers of problems both in geometry, physics, and combinatorics.
In this talk I will speak about its generalization to a simple tensor model. We recall first results that put us on the way to this work and then show first results about the generalization of the topological recursion to the simplest non-trivial tensor model. We will especially focus in one of the "exceptionnal" dimensions d=4n+2 for this tensor model that is especially fitted for this generalization.

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