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## A quick review of melonic CFTs

Tensors models exhibit a melonic large N limit, simpler that the planar limit of random matrices but richer that the limit of vector models. In d dimensions, they give rise to a new family of conformal field theories and provide interesting examples of the renormalization group flow from a free theory in the UV to a melonic large N CFT in the IR. I will present some applications of these properties from random geometry to conformal field theories. I will focus especially on a quartic bosonic tensor model in rank 3 and dimension d < 4. At leading order in 1/N but non perturbatively in the coupling constant, this model exhibit a real infrared stable fixed point.

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