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## Functional Renormalization for Multimatrix Models

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In this poster we report recent progress in understanding the algebraic structure underlying Wetterich Equation for multimatrix models (this sort of model is inspired by noncommutative geometry and contains interactions indexed by the free algebra, i.e. words in the random matrices). The tools can be useful in discretization approaches to quantum gravity and combinatorics of maps. Based on Ann. Henri Poincaré 22 (9) [arXiv 2007.10914] and [arXiv:2111.02858]

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