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Limits of Heterogeneous Networks

by

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ABSTRACT

Many interacting particle systems (IPS) are modelled as a large network of dynamical systems. Yet it is less challenging to analyze exchangeable systems maintaining dynamics under permutation of the particles, many real-world models suggest the underlying coupling network of the IPS is heterogeneous. Moreover, in practice, IPS makes timely adaptations which makes the problem even more challenging in mathematics, as, e.g., the underlying graphical structure may change its density from sparse to dense. In this talk, I will introduce some recent results on limits of heterogeneous networks. The talk is based on my joint work with Marios Antonios Gkogkas and Christian Kuehn.

~ALL ARE WELCOME~