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Title: **Glassy phases in large well-mixed ecosystems with competitive and cooperative interactions**

Abstract

We study a class of stochastic processes driven by a run and tumble or active telegraphic noise. Examples are the standard run and tumble model, the random acceleration problem, when the acceleration is telegraphic rather than white noise, as well as polymers locally driven by a run and tumble process.

We will see that the behavior of the model is very rich, first through the study of the second moment but also via the large deviation form of the processes distribution.