

THE CRM APPLIED MATHEMATICAL PHYSICS (CAMP) SEMINARS



CENTRE DE RECERCA MATEMÀTICA

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Irreversibility and dissipation in chemical and biological systems

Abstract:

I will review our past work on the quantitative connection between dissipation or entropy production and irreversibility, as measured by the distinguishability between forward and backward trajectories.

In the last part of the talk, I will present some recent work on the application of those ideas to the estimation of the entropy production and ATP consumption in molecular motors, kinetic networks, and the motion of cilia in eukaryotic cells when the observer has only access to a restricted number of variables.

Date:	April 26th, 2018
Place:	Room A1 CRM, Edifici C, UAB
Time:	13:00
	Master and undergraduate students are welcome.

