

ÉCOLE D'ÉTÉ « MÉCANIQUE STATISTIQUE DE NON-ÉQUILIBRE »
01–29 JUILLET 2011

SUMMER SCHOOL ON “NON-EQUILIBRIUM STATISTICAL MECHANICS”
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Density and current fluctuations in non-equilibrium diffusive systems

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The lectures will review some well established properties of non-equilibrium diffusive systems in their steady state (existence of long-range correlations, non-locality of the large deviation function of the density, large deviation function of the current and its symmetries). They will also present some more recent progresses as well as open problems on density and current fluctuations in non-steady state situations or at phase transitions.

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