

Long-Range correlations in driven, non-equilibrium systems

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Systems driven out of thermal equilibrium often reach a steady state which under generic conditions exhibits long-range correlations. As a result these systems sometimes share some common features with equilibrium systems with long-range interactions, such as the existence of long range-order and spontaneous symmetry breaking in one dimension, non-local response to local perturbations and other properties. Some models of driven systems will be presented, and features resulting from the existence of long-range correlations will be discussed.