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## Anomalous diffusion of phonons in one dimension

One-dimensional systems often display anomalous energy diffusion and transport. This leads to a breakdown of macroscopic transport relations like e.g. the Fourier law. Besides its intrinsic theoretical interest, these features are relevant for low-dimensional structures in view of the applications to nanoscale heat transfer. We will review numerical, theoretical and experimental results mostly focusing on lattices of nonlinear classical oscillators.