

## DYNAMICAL ANALYSIS OF NON FOURIER HEAT CONDUCTION AND ITS APPLICATION IN NANOSYSTEMS%0A

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Key concepts such as entropy production, temperature and the Onsager reciprocal relation are revisited in the case of non-Fourier heat conduction. Lastly, useful expressions are extracted from the picture of phonon gas dynamics and are used to successfully predict effective thermal conductivity in nanosystems.

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