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Linear dynamical stability of hydrodynamics and the laws of thermodynamics

vendredi 22 novembre 2024 12:00 (30 minutes)

The low energy dynamics of interacting systems are described at late times and long distances by hydrodynamics. I will show that hydrodynamic theories are dynamically stable under linear perturbations provided the system is locally thermodynamically stable and the second law of thermodynamics is obeyed.

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