

# Viscosity in strongly interacting systems: from string theory to trapped atoms

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We review recent development in string theory, in particular the gauge-gravity duality, that has allowed us to compute kinetic coefficients in a class of strongly interacting field theories. Our emphasis is on the universality of the ratio of shear viscosity and volume density of entropy, which takes the value of  $\hbar/4\pi$  in all theories with dual gravitational description. We speculate that this value is a lower bound for a wide class of systems, and discuss implications for trapped atoms.