

A RATIO OF THE SHEAR VISCOSITY
TO THE DENSITY OF ENTROPY FOR HELIUM

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S u m m a r y

We have studied the ratio (η/s) of the shear viscosity η to the density of entropy s for helium as a function of the temperature and have established that the minimal value, $(\eta/s)_{\min}$, satisfies the Kovtun–Son–Starinets inequality, $(\eta/s)_{\min} \geq (\hbar/4\pi k_{\text{B}})$.