

The Compressional Viscosity of CCl₄

ABSTRACT

The ultrasonic attenuation and velocity at high pressures have been measured in CCl₄ in an attempt to help resolve the conflict in the current literature over the value of the ratio of the compressional viscosity, η_c , and the shear viscosity, η_s . From our data, and using specified assumptions where necessary, we find that the limits for this ratio are given by

$$6. < \eta_c / \eta_s < 14.$$