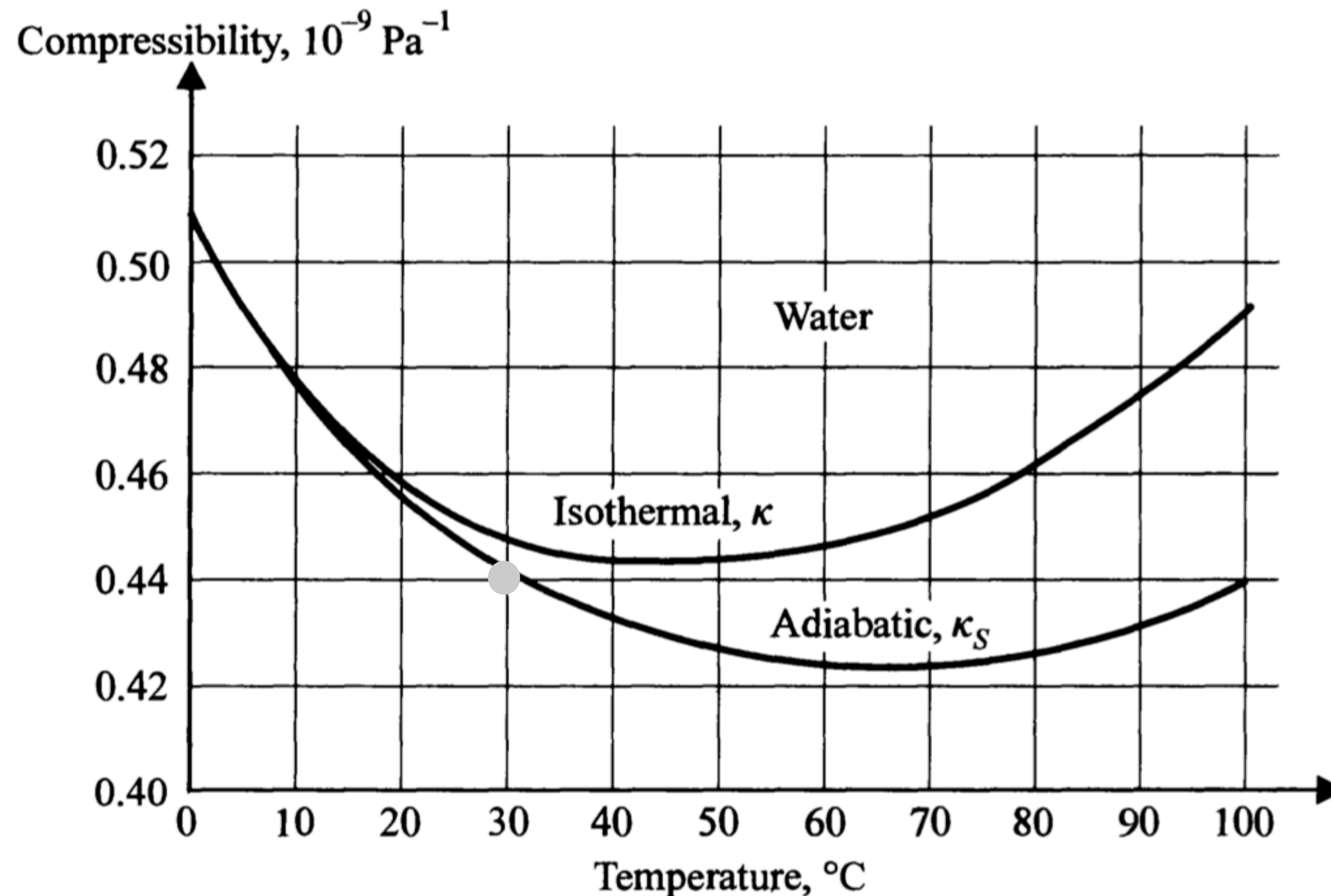


Isothermal Compressibility of Water and Sound Speed



The speed of sound is related to these curves

$$c_s = \sqrt{\frac{B_s}{\rho}} = \sqrt{\frac{1}{\rho \kappa_S}}$$

For water $\rho = 1 \text{ g/cm}^3$ and

$$c_s \simeq 1500 \text{ m/s}$$

at 30 degrees celsius

Boiling Water

