

Problem 1A.2

Estimation of the viscosity of methyl fluoride. Use Fig 1.3-1 to find the viscosity in $\text{Pa} \cdot \text{s}$ of CH_3F at 370°C and 120 atm. Use the following values¹ for the critical constants: $T_c = 4.55^\circ\text{C}$, $p_c = 58.0$ atm, $\rho_c = 0.300$ g/cm³.

¹K. A. Kobe and R. E. Lynn Jr., *Chem. Revs.* **52**, 117-236 (1953), see p. 202.