

## Problem 1A.5

**Viscosities of chlorine-air mixtures at low density.** Predict the viscosities (in cp) of chlorine-air mixtures at 75°F and 1 atm, for the following mole fractions of chlorine: 0.00, 0.25, 0.50, 0.75, 1.00. Consider air as a single component and use Eqs. 1.4-14 to 16.

*Answers:* 0.0183, 0.0164, 0.0150, 0.0139, 0.0130 cp