



Figure 8.4 Generalized charts for estimating the Gibbs departure function using the Lee-Kesler equation of state. $(G - G^{ig})^0 / RT$ uses $\omega = 0.0$, and $(G - G^{ig})^1 / RT$ is the correction factor for a hypothetical compound with $\omega = 1.0$.

Methods differ slightly on how the fugacity is calculated between points C and D. There are two primary methods for calculating this fugacity change. They are the Poynting method and the equation of state method.