

From:
Walas,
Phase
Equilibrium
in Chemical
Engineering

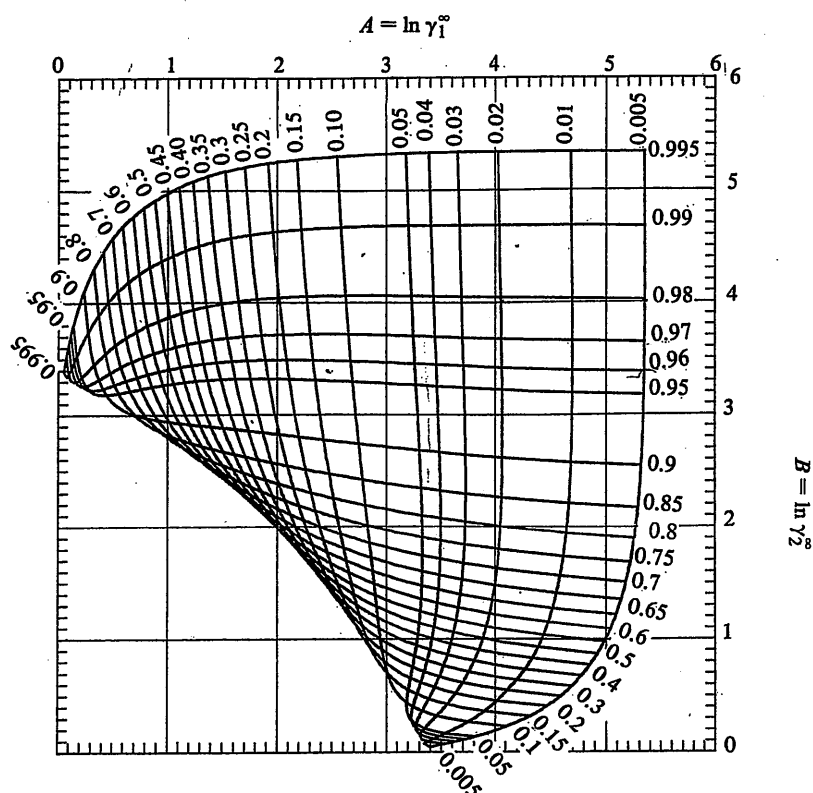


Figure 7.8. Miscibility limits with the van Laar and Scatchard-Hildebrand equations. See the legend of Figure 7.7 for use of the chart.

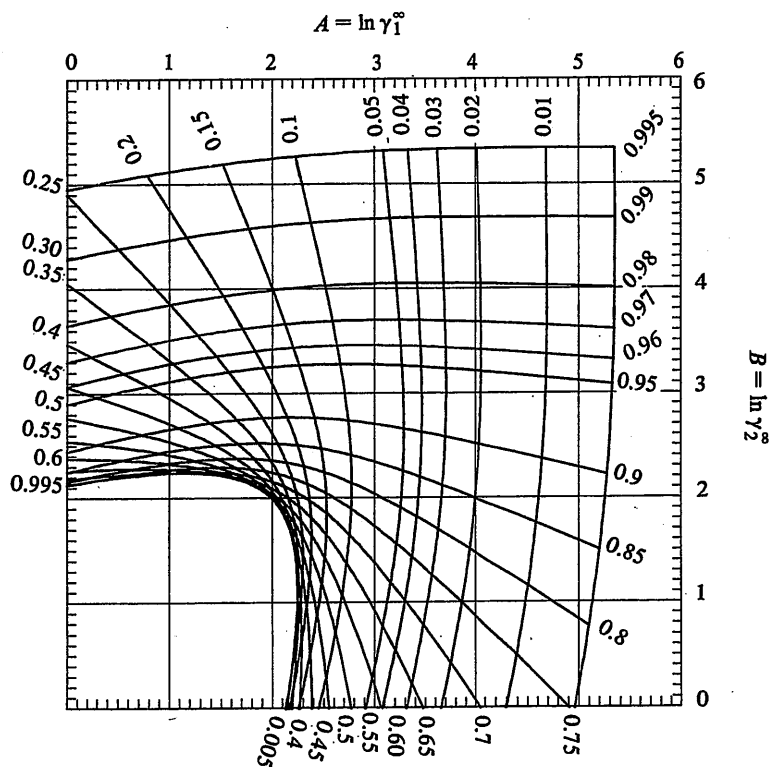


Figure 7.7. Miscibility limits with the Margules equation (After Kogan, 1968). An intersection within the network represents the equilibrium mol fractions (x_1 , x_1^*) corresponding to each pair of logarithms of infinite-dilution activity coefficients or equation parameters A , B . For example, $(x_1, x_1^*) = (0.10, 0.98)$ corresponds to $(A, B) = (2.5, 4.03)$.