

**4.65 and 4.105**  $x$ - $y$  diagram for liquid-vapor systems of ethanol + water mixtures at 1 atm.

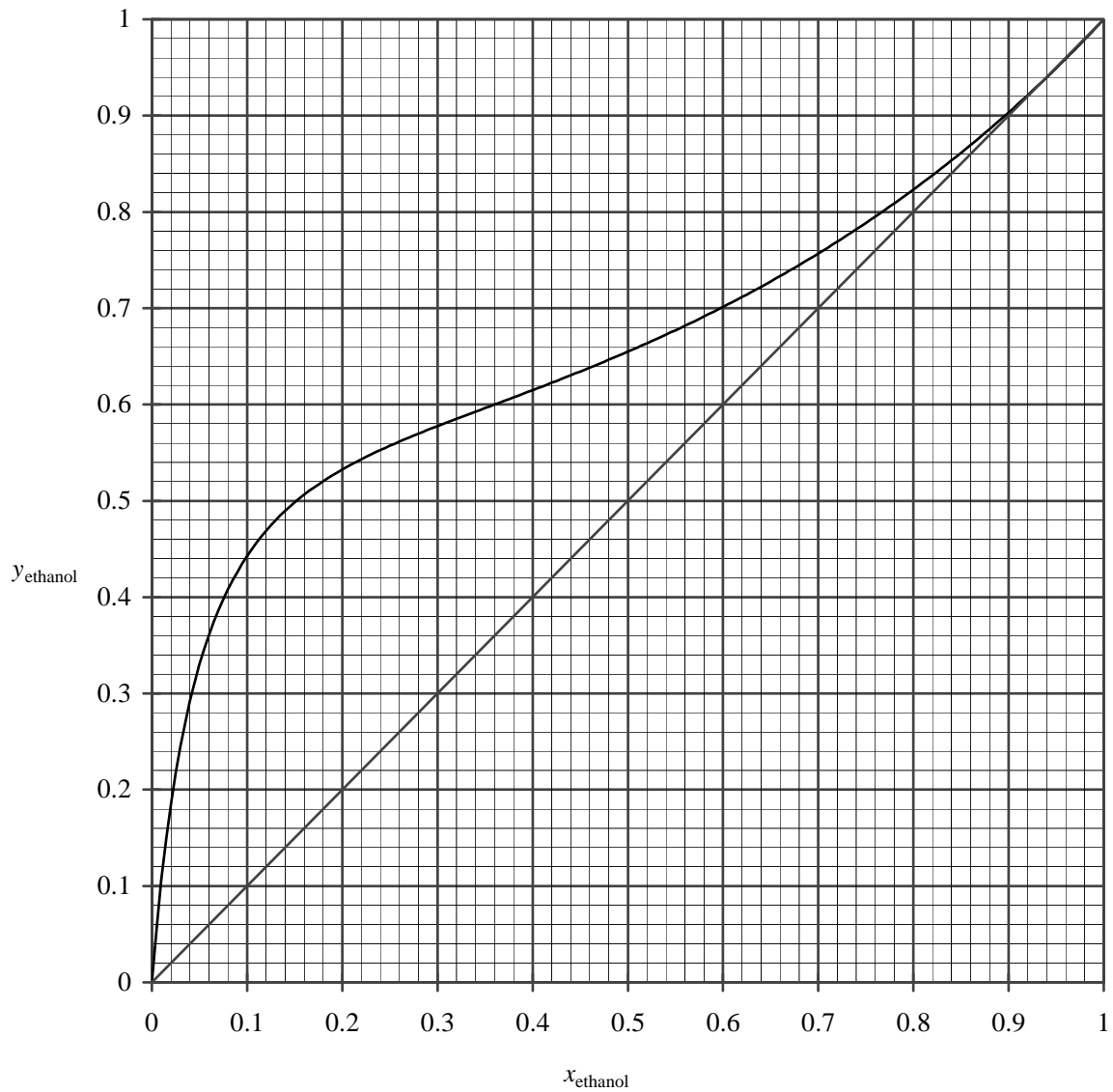


Diagram generated from data compiled by Gmehling, J., Onken, U., and Arlt, W. 1982. *Vapor-Liquid Equilibrium Data Collection - Organic Hydroxy Compounds: Alcohols*, Dechema, Frankfurt, Germany, vol. 1, p. 165.

from *Chemical Engineering Design and Analysis: An Introduction*  
T. M. Duncan and J. A. Reimer, Cambridge University Press, 2<sup>nd</sup> ed., 2019.

©Cambridge University Press.