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The azeotrope occurs when the liquid phase composition and the gas phase composition are identical in a binary mixture B-W at the equilibrium, or the total vapor pressure as a function of x_B shows an extremum, as depicted in Fig. II-9, i.e., $d p / d x_B = 0$ with $p = p_B + p_W$. It follows then that, Search azeotropic data of organic mixtures On this page you can check that a mixture of selected organic substances is zeotropic or azeotropic. The azeotropic information (boiling point/temperature, composition) is predicted, using the UNIFAC (modified, Dortmund version) model. Find more information about azeotropes at Wikipedia Find more information about the method of prediction in the About ...

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VLE Calculations with Margules Equation

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2nd Component b.p. of comp. (°C) b.p. of mixture (°C) % by weight sp. grav; with various alcohols: ethanol: 78.4: 78.1: 95.5: 0.804: methanol: 64.7: No azeotrope ...

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