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## Calculation and prediction of critical temperatures of binary systems of *n*-alkanes

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## **Abstract**

A description of the method of calculating the critical temperature for the compositions of the system  $C_3H_8-C_9H_{20}$  based on analytical description and graphical plotting isoconcentrational dependencies Tc = f(n) number of  $C_3H_8-C_nH_{2n+2}$  (n = 4...10) is presented.

We construct graphical dependences in different coordinate systems. The obtained dependences allow to determine the missing values  $T_c$  in the systems of n-alkanes.