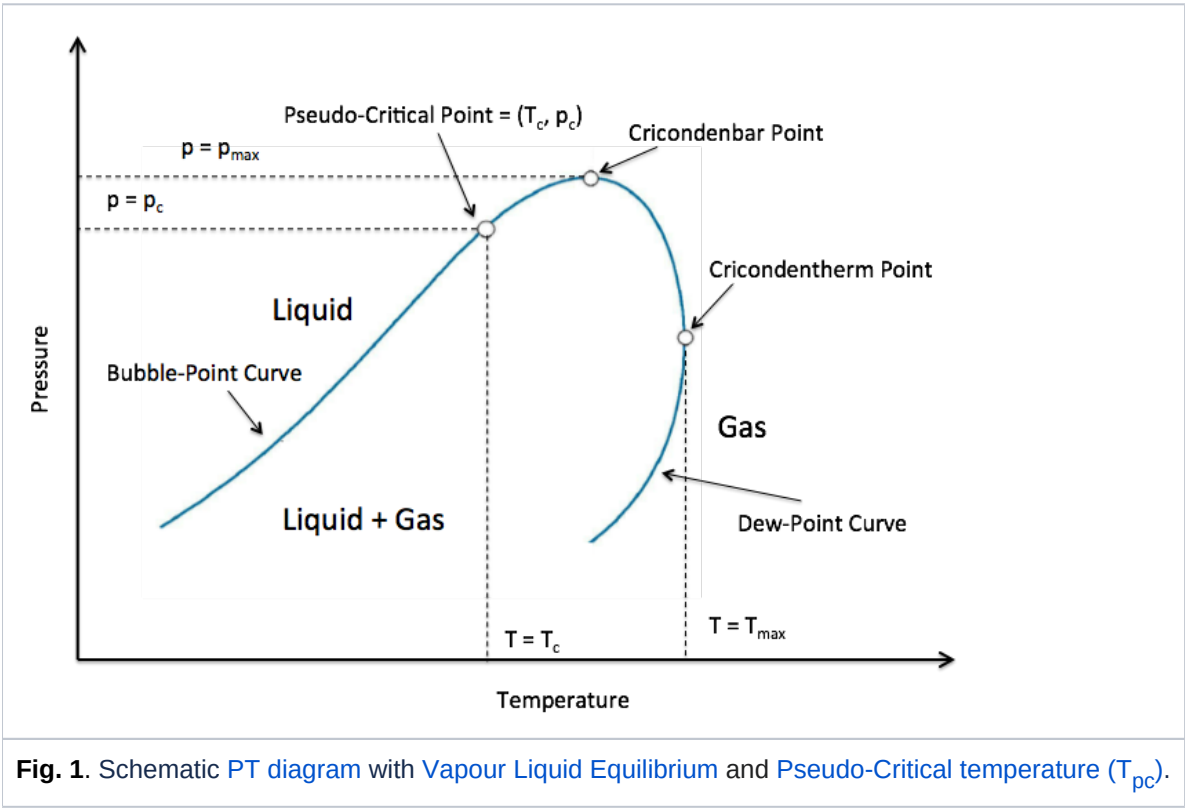


Pseudo-Critical Temperature = Tpc

The junction temperature T_{pc} of Vapour Liquid Equilibrium (VLE) area on PT diagram of Fluid Mixture (see Fig. 1).



The simplest estimate of Pseudo-Critical Temperature T_{pc} is the mole fraction weighted average:

(1)
$$p_{pc} = \sum_i x_i p_{c,i}$$

where

x_i	mole fraction of the i -th mixture component
$T_{c,i}$	critical temperature of the i -th mixture component

See also

Natural Science / Physics / Thermodynamics / Thermodynamic system / Pseudo-Critical Point (T_{pc} , p_{pc})

[Fluid Mixture] [Pseudo-Critical Pressure (P_{pc})]

[ritical Temperature T_c]