

Pseudo-Reduced Fluid Properties

@wikipedia

A popular measure of [pressure](#) and [temperature](#) in [Real Gas EOS](#) modelling of [fluid mixtures](#).

| | |
|---|---------------------------------|
| Pseudo-reduced Temperature (T_{pr}) | |
| (1) $T_{pr} = \frac{T}{T_{pc}}$ | (2) $P_{pr} = \frac{P}{P_{pc}}$ |

where

| | | | |
|-----|-------------------|----------|--|
| T | fluid temperature | T_{pc} | pseudo-critical temperature of the fluid mixture |
| P | fluid pressure | P_{pc} | pseudo-critical pressure of the fluid mixture |

See also

[Natural Science](#) / [Physics](#) / [Thermodynamics](#) / [Thermodynamic system](#) / [Equation of State](#) / [Real Gas](#) / [Real Gas EOS](#)
@model

[[Pseudo-reduced Temperature \(\$T_{pr}\$ \)](#)][[Pseudo-reduced Pressure \(\$P_{pr}\$ \)](#)]

[[Reduced Fluid Properties](#)][[Reduced Pressure \(\$P_r\$ \)](#)][[Reduced Temperature \(\$T_r\$ \)](#)]