

Reduced Fluid Properties

@wikipedia

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

Reduced Temperature (T_r)		Reduced Pressure (P_r)	
(1)	$T_r = \frac{T}{T_c}$	(2)	$P_r = \frac{P}{P_c}$

where

T	fluid temperature	T_c	critical temperature of the pure substance
P	fluid pressure	P_c	critical pressure of the pure substance

See also

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

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

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