

## Refutation of the Clausius-Clapeyron equation for spatial dimension

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We evaluate a generalized implementation of Clausius-Clapeyron from:

Pilot, C. (2018). A new type of phase transition based on the Clausius-Clapeyron relation involving a change in spatial dimension. [vixra.org/pdf/1804.0293v1.pdf](https://vixra.org/pdf/1804.0293v1.pdf)

$$2[(n+1)/n]u(n)V(n) = 2[n/(n-1)]u(n-1)V(n-1)+L(n-1) \quad (2-24.1)$$

We assume the apparatus and method of Meth8/VL4, where the designated *proof* value is Tautology and truthity is Non contingency. The 16-valued truth table is row-major and horizontal.

LET pqrs nuVL; (%p>#p) 1; (%p<#p) 2; % possibility, for one or some; # necessity, for all.

$$\begin{aligned} &(((\%p<\#p)\&(p+(\%p>\#p))\backslash p))\&((q\&p)\&(r\&p))) = \\ &(((\%p<\#p)\&(p\backslash(p-(\%p>\#p))))\&((q\&(p-(\%p>\#p))\&(r\&(p-(\%p>\#p)))))) \\ &+ (s\&(p-(\%p>\#p))))); \quad \begin{matrix} TTTT & TTNT & NTNT & NTNT \end{matrix} \quad (2-24.2) \end{aligned}$$

Eq. 2-24.2 as rendered is *not* tautologous. This means the implementation of Clausius-Clapeyron is refuted.