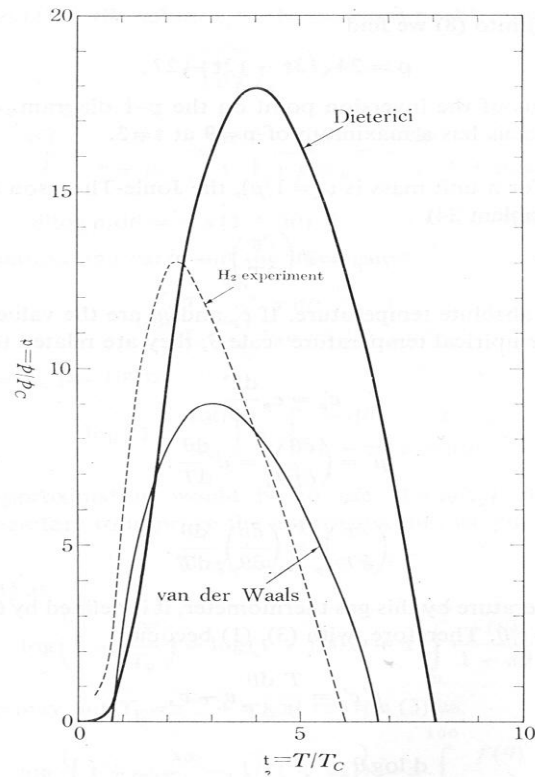


# Joule–Thomson inversion curves [ts11]

- Hydrogen gas: experimental data.
- Van der Waals gas:  $\left(p + \frac{an^2}{V^2}\right)(V - nb) = nRT$ .
- Dieterici gas:  $p = \frac{nRT}{V - nb} \exp\left(-\frac{an}{RTV}\right)$ .



[from Kubo: Thermodynamics]