

## Viteza termica

$$v_T = \sqrt{v^2} \Rightarrow v_T = \sqrt{\frac{3RT}{\mu}}$$

Capitolul: Termodinamica si fizica moleculara

Tema: Legile experimentale ale gazelor

Notam:

t - temperatura empirica [t]=1°C (grad Celsius)

T - temperatura absoluta [T]=1K (Kelvin)

- calculul vitezei celei mai probabile

$$v_p = \sqrt{\frac{2 \cdot R \cdot T}{\mu}} = \sqrt{\frac{2 \cdot k_B \cdot T}{m}}$$

<http://www.scribub.com/stiinta/chimie/MODELUL-GAZULUI-IDEAL-TEORIA-C12534.php>

[http://www.physics.pub.ro/Cursuri/Daniela\\_Buzatu\\_-\\_Fizica\\_1\\_\(2008\)/Fizica\\_1\\_2008.pdf](http://www.physics.pub.ro/Cursuri/Daniela_Buzatu_-_Fizica_1_(2008)/Fizica_1_2008.pdf)