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In statistics, dispersion (also called variability, scatter, or spread) is the extent to which a distribution is stretched or squeezed. Common examples of measures of statistical dispersion are the variance, standard deviation, and interquartile range.. Dispersion is contrasted with location or central tendency, and together they are the most used properties of distributions.

Statistical dispersion - Wikipedia

In statistical mechanics, entropy is an extensive property of a thermodynamic system. It is closely related to the number Ω of microscopic configurations (known as microstates) that are consistent with the macroscopic quantities that characterize the system (such as its volume, pressure and temperature). Under the assumption that each microstate is equally probable, the entropy is the natural ...

Entropy - Wikipedia

A Brief Review of Elementary Quantum Chemistry C. David Sherrill School of Chemistry and Biochemistry Georgia Institute of Technology Last Revised on 27 January 2001

A Brief Review of Elementary Quantum Chemistry

These operators will operate on a wave function, Ψ , which is assumed to exist, and which is assumed to contain all that is knowable about the quantum mechanical system. We would then solve the resulting equation to get the particulars. And so, in this example, we can write the substitutions into the classical expression for total energy.

Intuitive Concepts in Quantum Mechanics - Scriptural Physics

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$\frac{1}{2} \rho \int_V \mathbf{v} \cdot \mathbf{v} dV = \frac{1}{2} \rho \int_V v^2 dV$ (m 3)
 $\frac{1}{2} \rho \int_V \mathbf{v} \cdot \mathbf{v} dV = \frac{1}{2} \rho \int_V v^2 dV$ (1 dm³ = 1 L = 0.001 m³)
 $\frac{1}{2} \rho \int_V \mathbf{v} \cdot \mathbf{v} dV = \frac{1}{2} \rho \int_V v^2 dV$ (1 cm³ = 1 mL = 0.001 L = 10⁻⁶ m³)

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