Quantum occupations and limits of equipartition

GRE Subject Test · GRE Physics · Vocabulary in context

Word	Example
equipartition /ɪˌkwɪpɑːˈtɪʃn/	Classical **equipartition** fails when quantum energy gaps become important.
freeze out	At low temperature, vibrations **freeze out** and stop storing heat.
occupation numbers	**Occupation numbers** count particles in each state.
chemical potential /ˈkemɪkl pəˈtenʃl/	The **chemical potential** is the energy cost of adding one particle.
identical particles	**Identical particles** cannot be told apart.
Einstein solid	An **Einstein solid** treats each atom as a quantum oscillator.

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