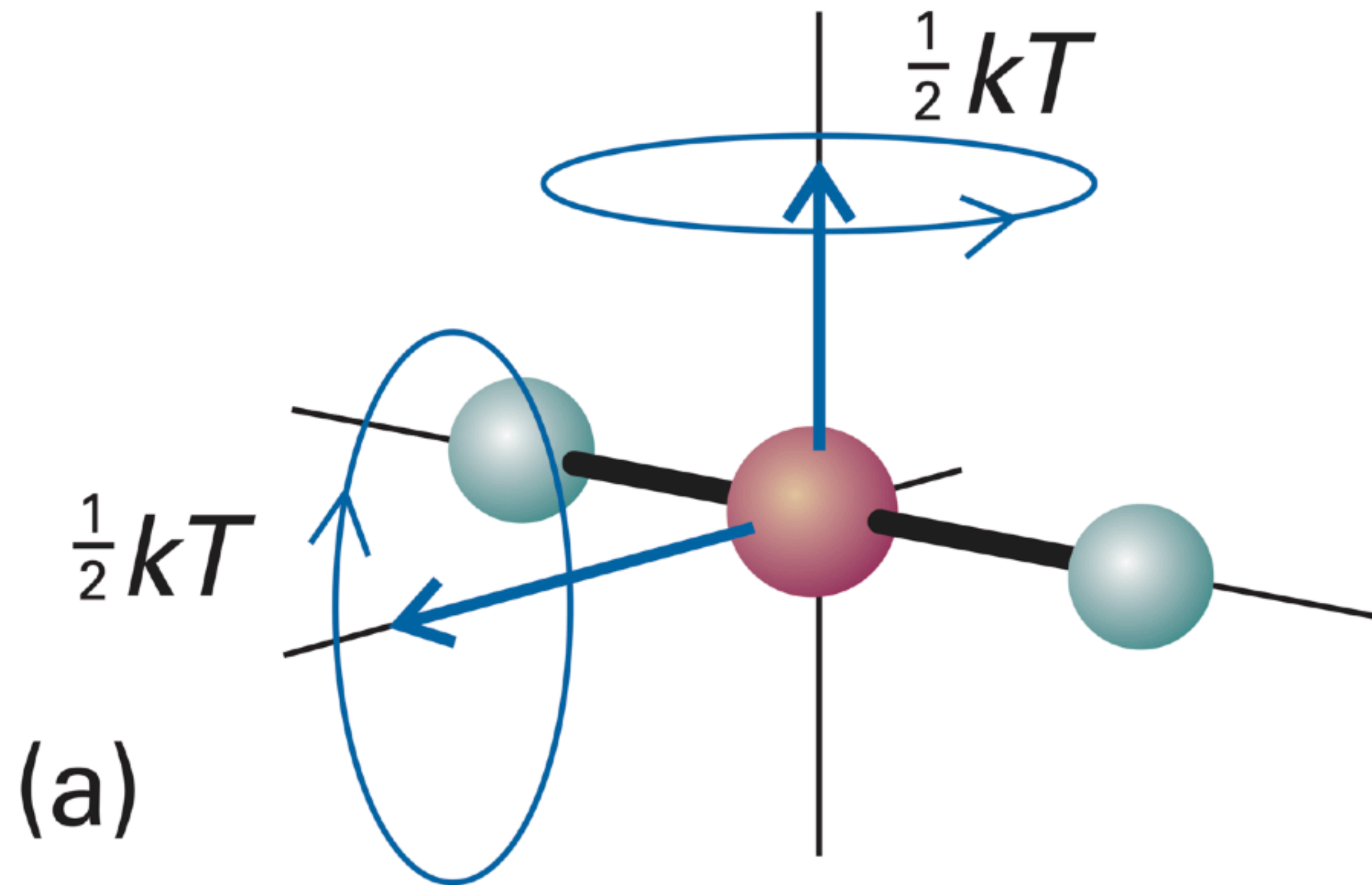


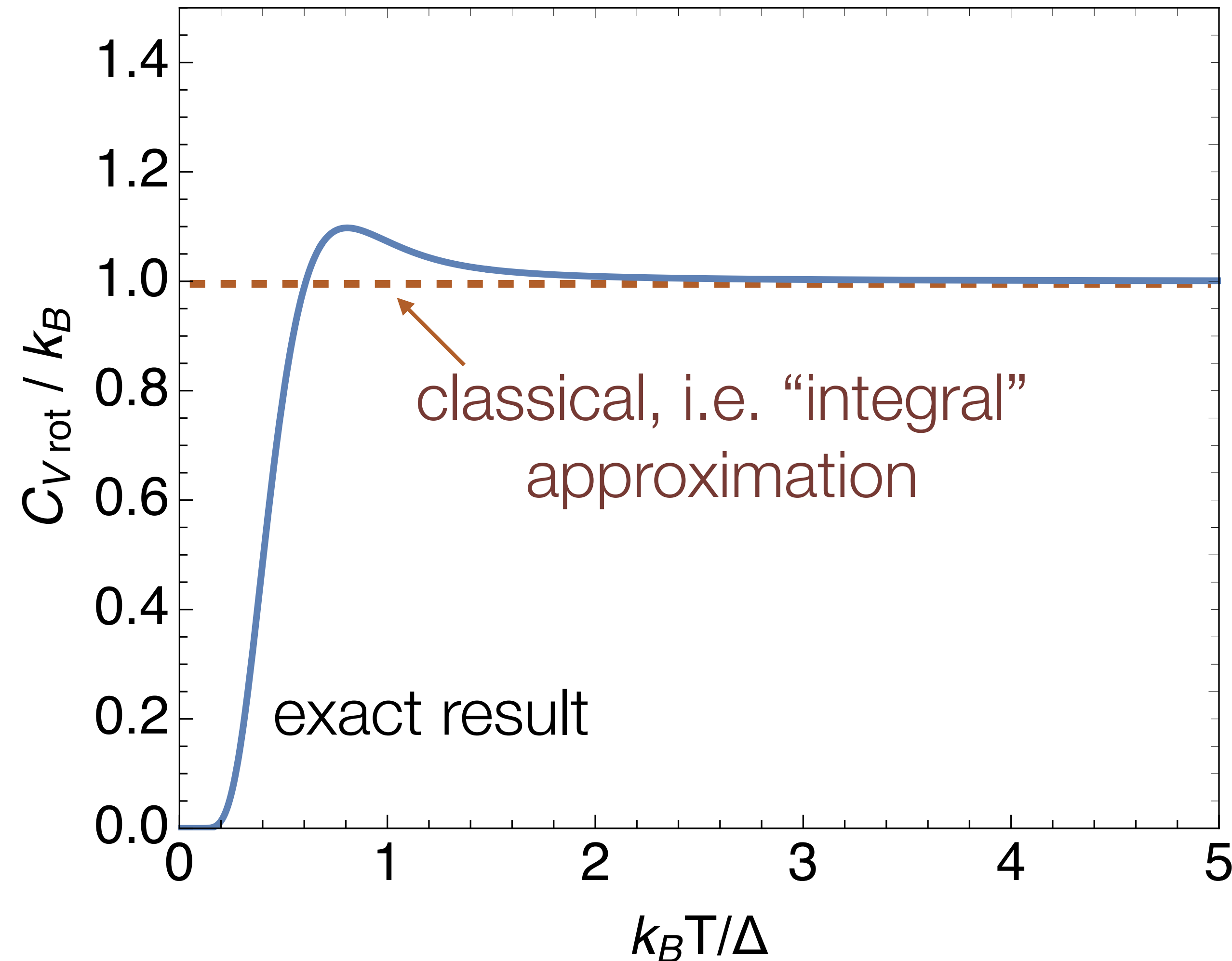
Energy of Diatomic



There are two rotational dof:

$$\langle \epsilon_{\text{rot}} \rangle = 2 \times \frac{1}{2}kT$$

Specific Heat From Rotational Partition Function



This is the rotational contribution to the specific heat per particle