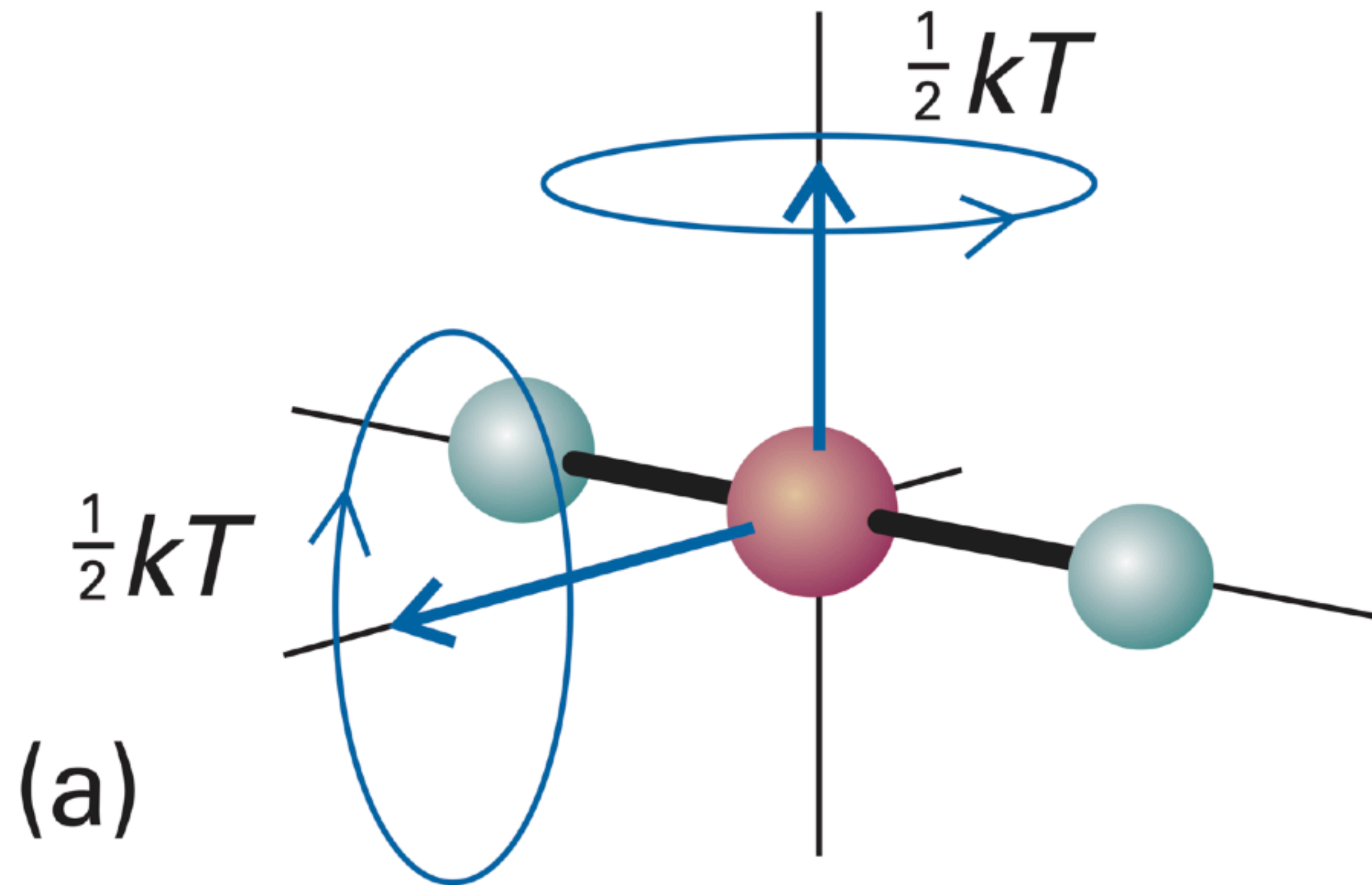


# Energy of Diatomic

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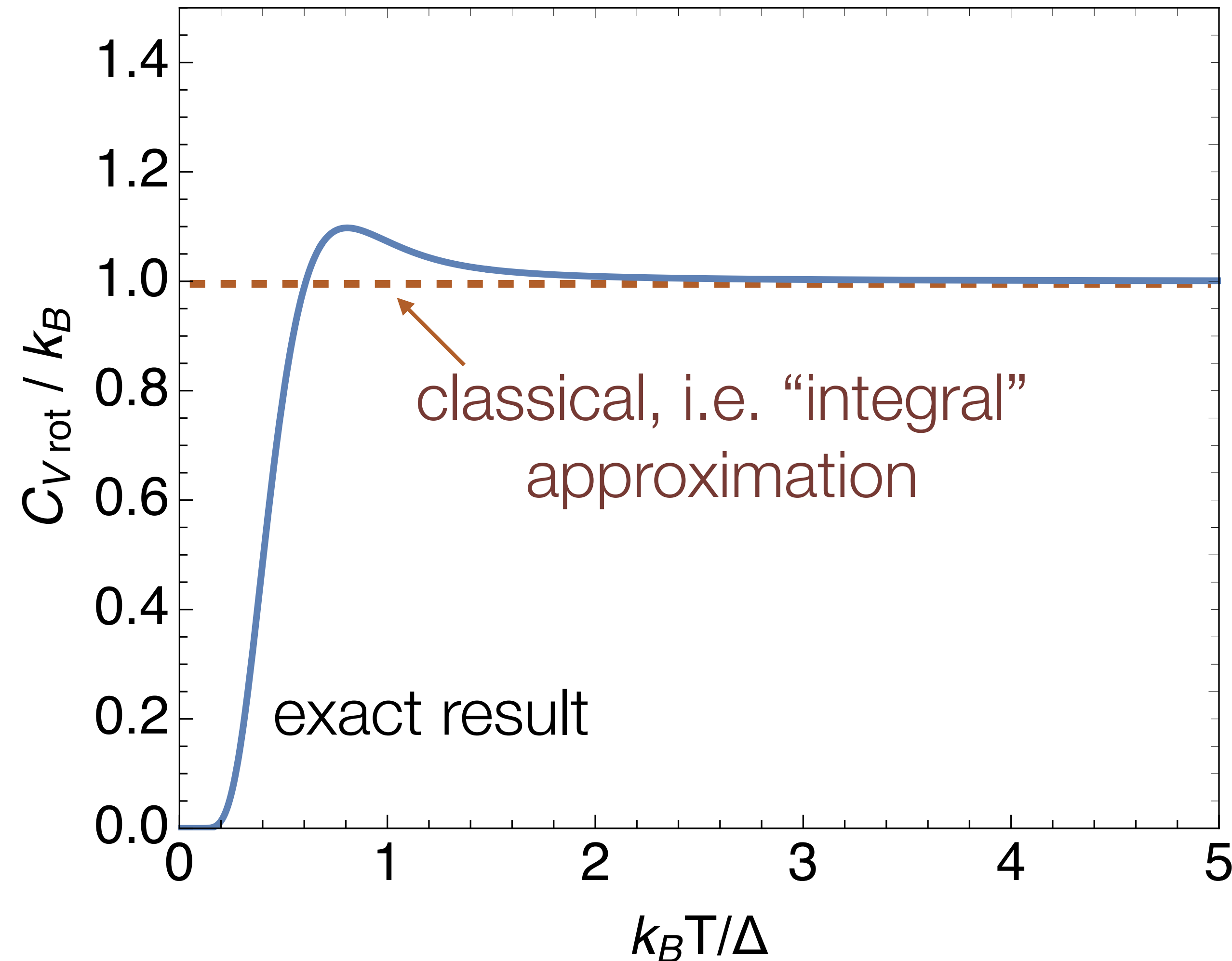


There are two rotational dof:

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

# Specific Heat From Rotational Partition Function

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This is the rotational contribution to the specific heat per particle