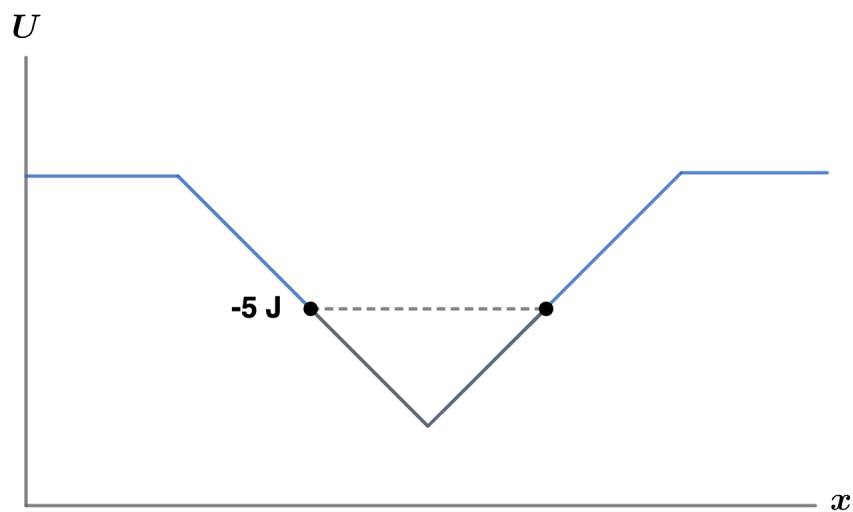


2010 F=ma Exam: Problem 20

Kevin S. Huang



The particle is trapped in the region where $U \leq -5 \text{ J}$. Thus, the total energy is $E = -5 \text{ J}$ since the particle has no kinetic energy at the endpoints where $E = U$. The answer is A.