Nov 9: Get Whiteboards

Ponderable: Two disks

1

2

F
Point particle: $\Delta E = W + \Delta \theta$

$\Delta E_{pp} = \Delta K_{\text{trans}} = F_{\text{int}} d_{\text{con}}$

Real system: $\Delta E = W + \Delta \theta$

$\Delta E = \Delta K_{\text{rot}} + \Delta K_{\text{trans}} = F(b_{\text{com}} + L)$

$\Delta K_{\text{rot}} = FL$
Ponderable: Skater

Even: Real system

\[ \Delta E = W + Q \]

\[ \Delta K_{\text{trans}} + \Delta E_{\text{int}} = 0 \]

Odd: Point Particle

\[ \Delta E = W + Q \]

\[ \Delta K_{\text{trans}} = Fd \]

\[ \Delta E_{\text{int}} = - \Delta K_{\text{trans}} = -Fd \]