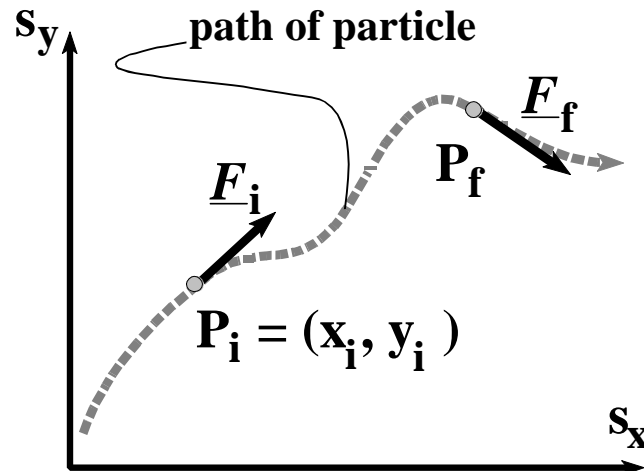


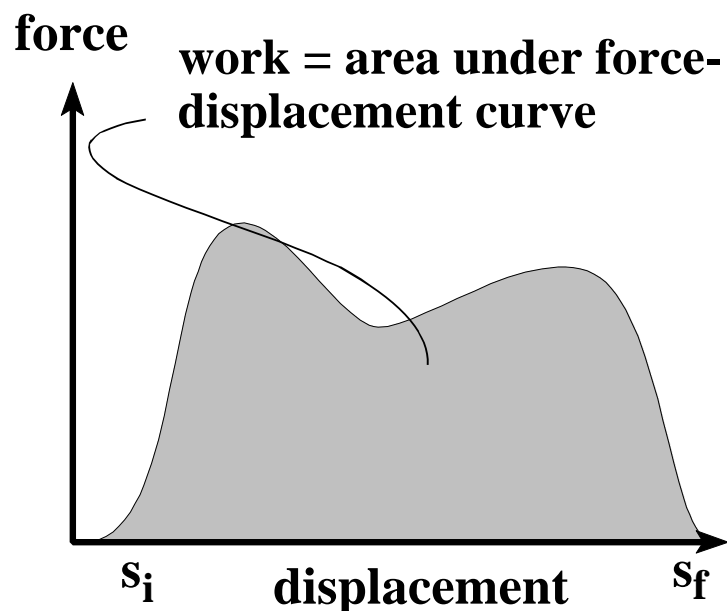
Work of Force on a Particle



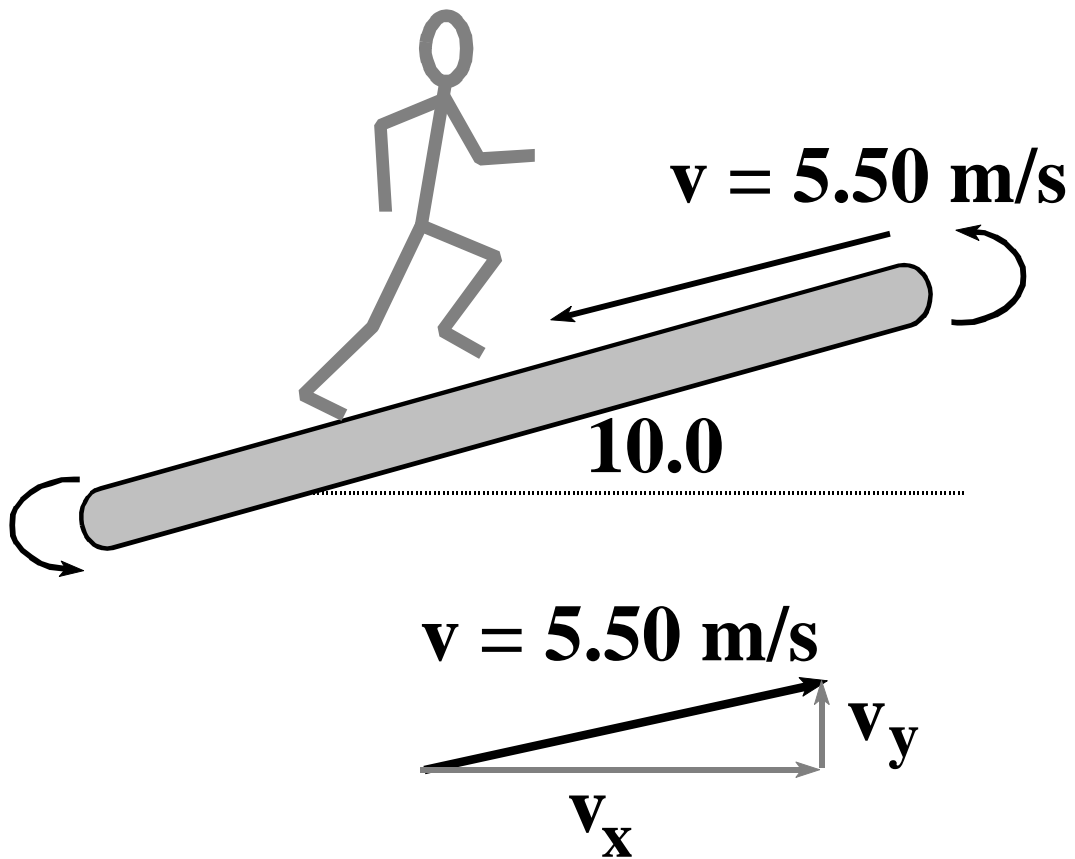
Work = $\oint \underline{F} \cdot \underline{s}$ = path integral of dot product of force and displacement

Work = $\int F ds$ = area under force versus displacement

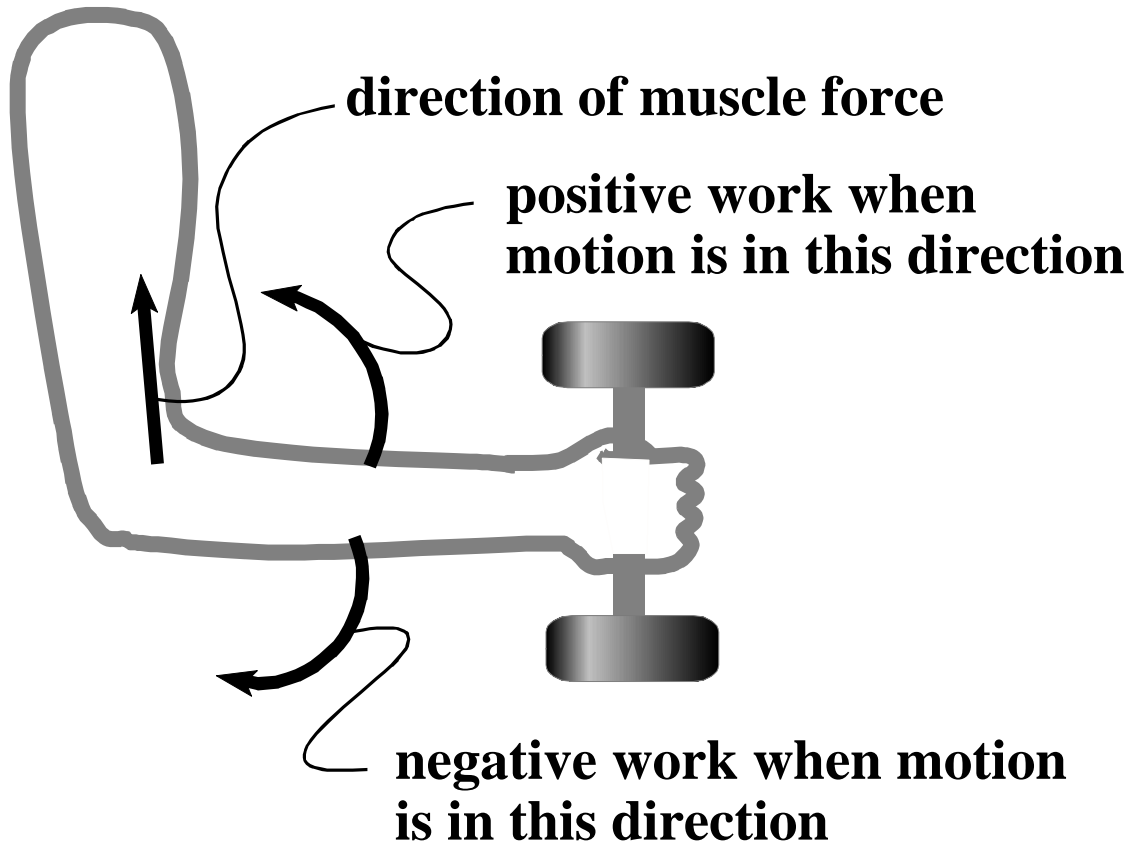
If F is constant: Work = $F s$



Work Done during Treadmill Locomotion



Work of a Moment of Force



$$\text{Work} = M \theta$$