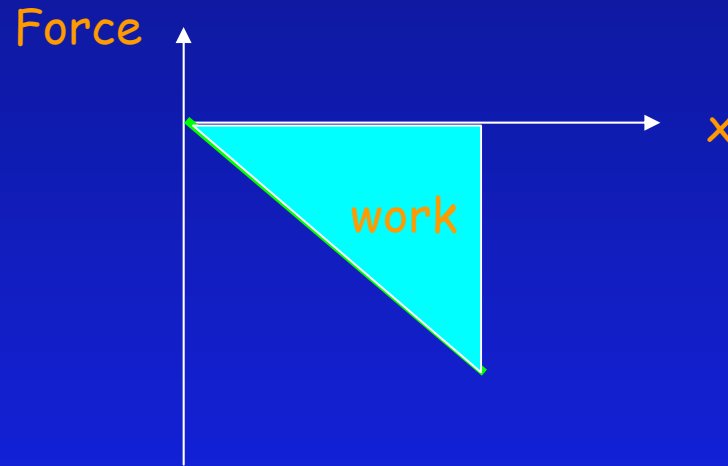


Potential Energy in Spring

○ Hooke's Law force is Conservative

□ $F = -k x$

□ $W = -1/2 k x^2$



□ Work done only depends on initial and final position

□ Define Potential Energy $U_{\text{spring}} = 1/2 k x^2$