

FIGURE 2.2
Illustrative Problems 2.1 and 2.2. (a) Spring-force system. (b) Spring-force work.

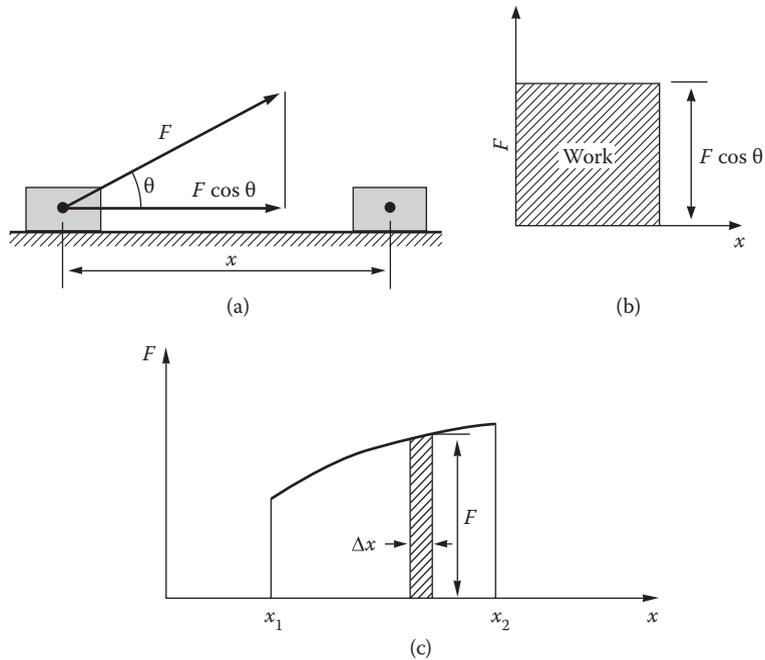


FIGURE 2.1
Work. (a) Force component in x direction. (b) Plot of force vs. displacement. (c) Force a function of displacement.

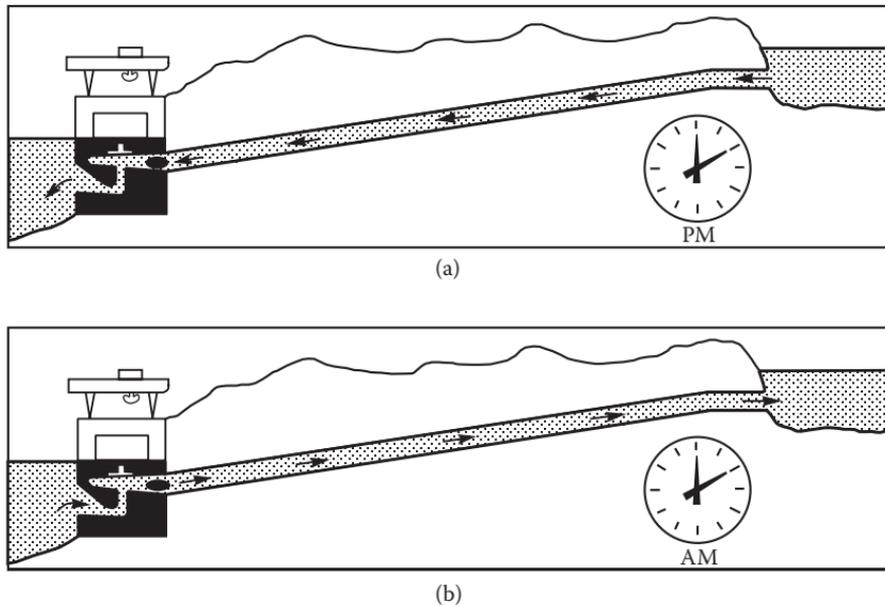


FIGURE 2.4
Pumped storage concept. (a) Generating mode. (b) Pumping mode.

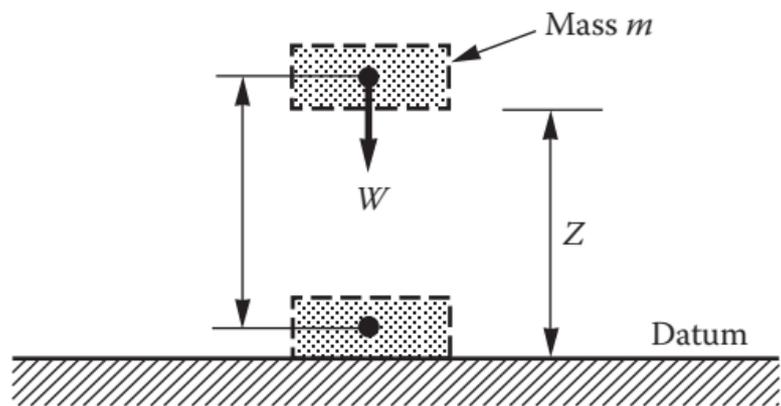


FIGURE 2.3
Potential energy.

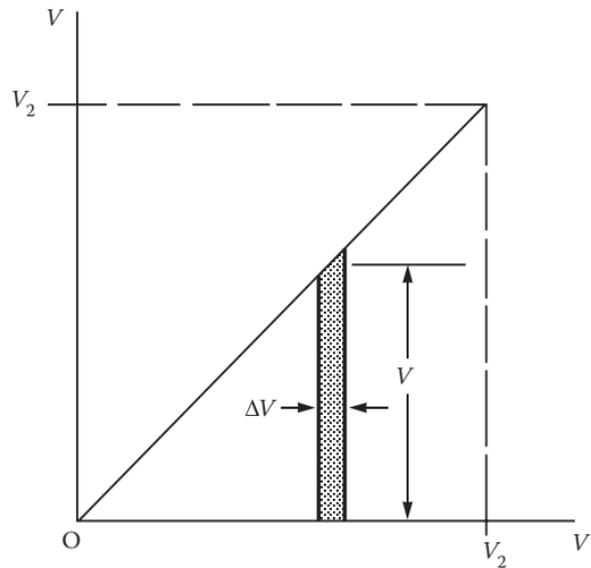


FIGURE 2.6
Evaluation of $V \Delta V$.

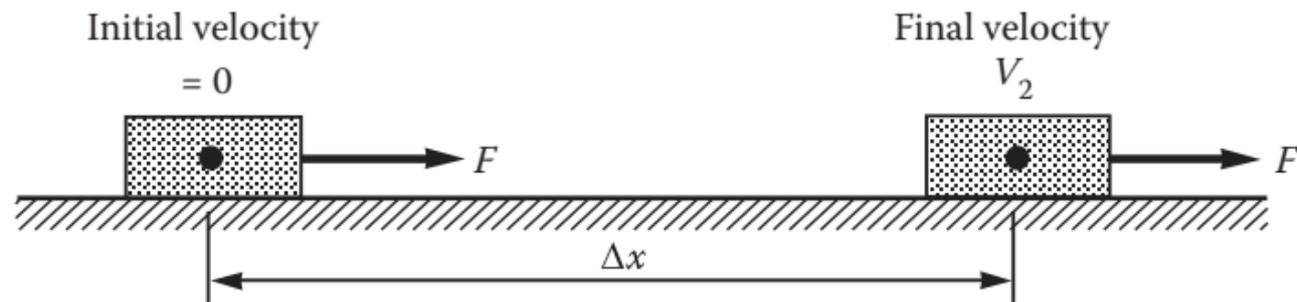


FIGURE 2.5
Kinetic energy.

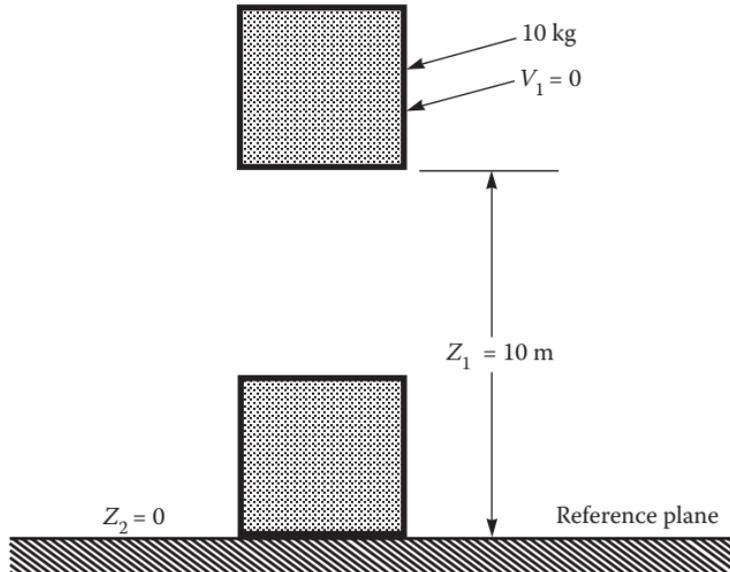


FIGURE 2.8
Illustrative Problem 2.10.

Courtesy of CRC Press/Taylor & Francis Group

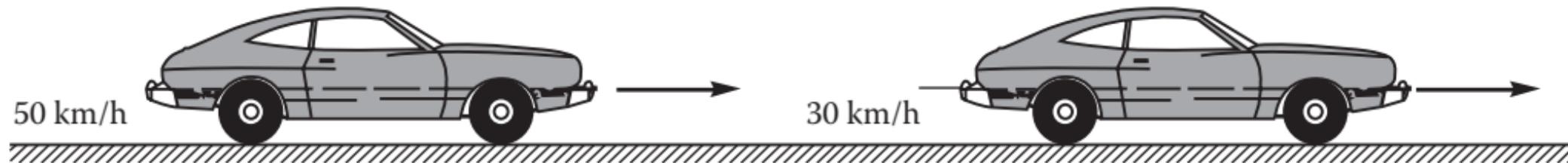


FIGURE 2.7
Illustrative Problem 2.9.

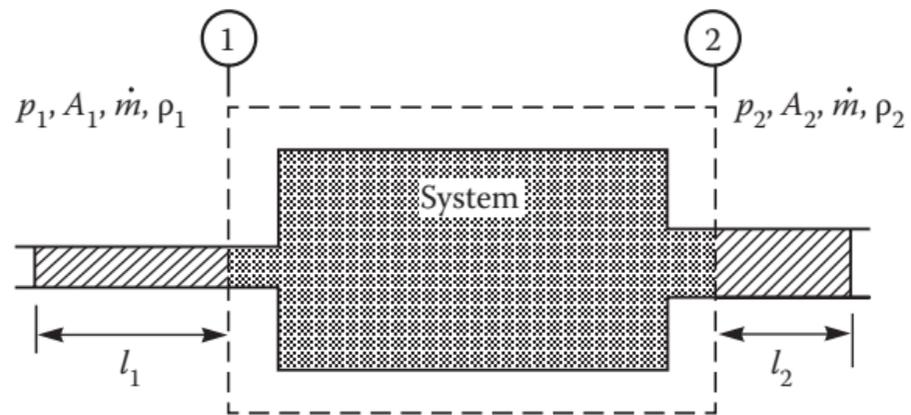


FIGURE 2.9
Steady-flow system: flow work.

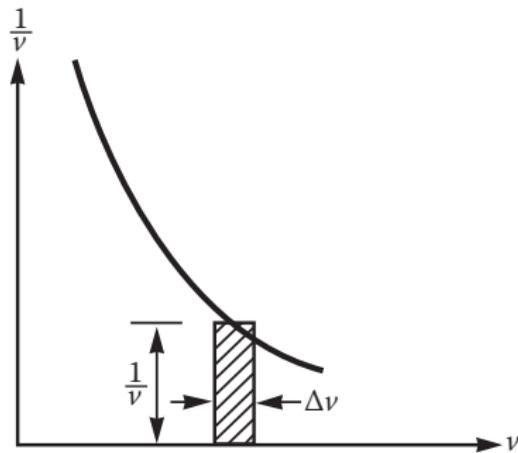


FIGURE 2.12
Evaluation of $\Sigma(\Delta v/v)$.

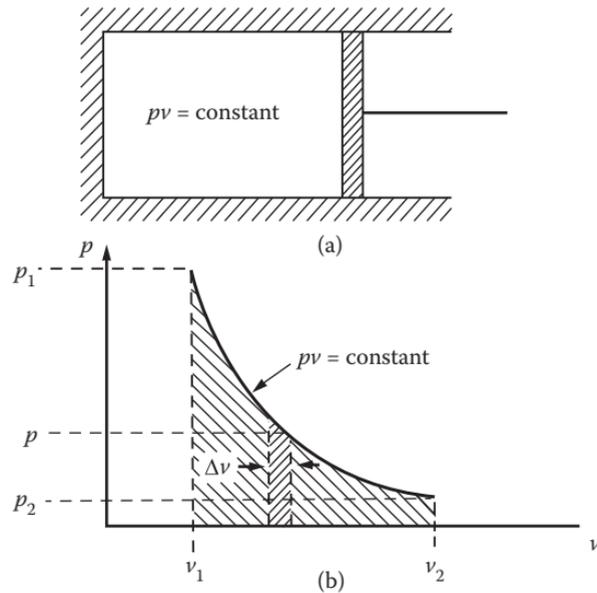


FIGURE 2.11
Illustrative Problem 2.13. (a) Piston-cylinder system. (b) Summation of work.

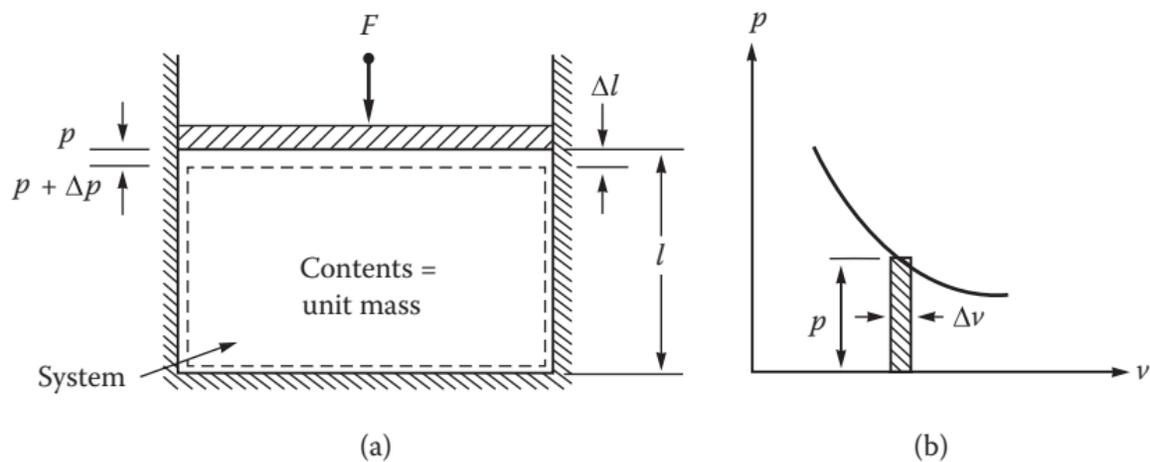


FIGURE 2.10
Quasi-static nonflow compression process. (a) Piston-cylinder system. (b) Differential work.