

Chapter 8

Potential Energy and Conservation of Energy

In this chapter we will introduce the following concepts:

Potential energy

Conservative and nonconservative forces

Mechanical energy

Conservation of mechanical energy

The conservation of energy theorem will be used to solve a variety of problems.

As was done in Chapter 7, we use scalars such as work, kinetic energy, and mechanical energy rather than vectors. Therefore the approach is mathematically simpler.

Chapter 8 Potential Energy And Conservation Of Energy

Michael Rajnik



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