

Lesson 13 - Applications I - Physics and Engineering I

Objectives

- Understand work as a constant force applied over a distance.
- Understand work as a variable force applied over a distance.
- Apply integration to solve variable force work problems.
- Solve work problems that involve lifting objects.

READ

- Stewart, Chapter 6.4, pages 438-441.

THINK ABOUT

- What is the difference between lifting something with a “constant force” and lifting something with a “variable force”?

MATHEMATICA COMMANDS AND TASKS YOU NEED TO KNOW

No new commands.