

Lesson 14 - Applications II - Physics and Engineering II

Objectives

- Apply integration to solve variable force work problems involving pumps.
- Understand what a “representative slice” is.
- Use various techniques to relate variables while calculating the volume of a slice.

READ

- Stewart, Chapter 6, section 4, pages 460-463.

THINK ABOUT

- How does cutting up a volume into slices relate to integration when calculating work?

MATHEMATICA COMMANDS AND TASKS YOU NEED TO KNOW

No new commands.