

## CHAPTER OVERVIEW

### 24: Work

If a force is applied to an object over some distance, the force is said to have done work on the object. The physics definition of “work” is a bit different from the everyday one, simply holding something up does not involve work no matter how heavy it is. It is only when you drop it that work (by gravity) is being done.

[24.1: Introduction to Work](#)

[24.2: Case I- Constant force parallel to the direction of motion](#)

[24.3: Case II- Constant force at an angle to the direction of motion](#)

[24.4: Case III- Variable force in the direction of motion](#)

[24.5: Case IV \(General Case\)- Variable force along any direction](#)

[24.6: Summary](#)

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