

Chapter 2.1: More Cat Velocities

Calculus I

College of the Atlantic. Winter 2021

The Speed of a Cat

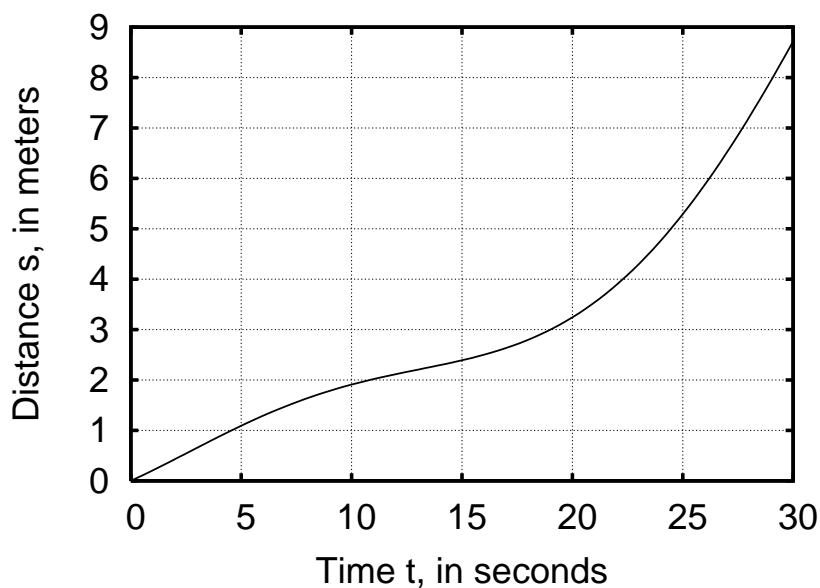


Figure 1: The distance s traveled by a cat as a function of time t .

1. What is the average velocity of the cat from $t = 15$ to $t = 30$?
2. What is the average velocity of the cat from $t = 15$ to $t = 25$?
3. What is the average velocity of the cat from $t = 15$ to $t = 10$?
4. What is your estimate of the instantaneous velocity of the cat at $t = 15$?
5. What is your estimate of the instantaneous velocity of the cat at $t = 10$?

(There are additional copies of the figure on the other side of this paper.)

