

Chapter 2.1: The Speed of a Cat

Calculus I

College of the Atlantic. Fall 2016

Answer the questions below, assuming that:

- The width of one of the small squares behind the cat is 5 centimeters.
- The time between photographs is 0.031 seconds.

When determining distance, measure from the tip of the cat's nose.

1. What is the average speed of the cat between frames 2 and 6?
2. What is the average speed of the cat between frames 21 and 24?
3. What is the average speed of the cat between frames 21 and 22?