

Exercise 19

Write a short description of the motion of a real object for which Figure EX1.19 would be a realistic position-versus-time graph.

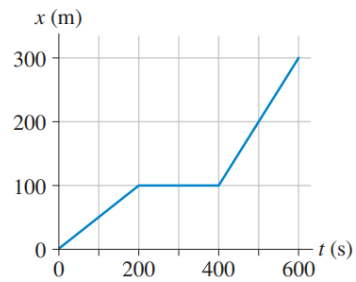


FIGURE EX1.19

Solution

This is the motion of someone walking in one direction at 0.5 m/s for 200 seconds, then abruptly stopping for 200 seconds, then suddenly jogging in the same direction at 1 m/s for 200 seconds.