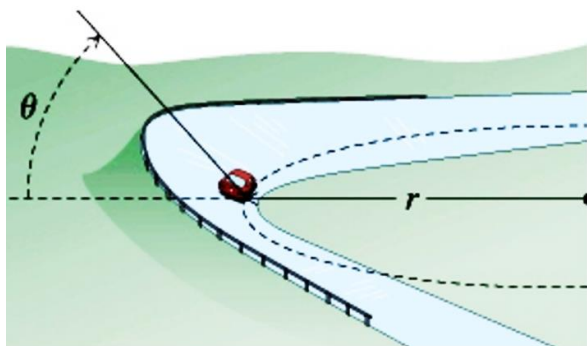


- 8 A car is driven round an icy road banked at an angle θ of 25° and a radius r of 50 m as shown.



The frictional force between the tyres and the road is negligible.

What is the speed that the car can travel at while maintaining the circular radius?

- A 2.6 m s^{-1}
- B 7.3 m s^{-1}
- C 15.1 m s^{-1}
- D 21.9 m s^{-1}