



A roller coaster has a loop preceded by a ramp. A car is placed on the track so that its speed at the top of the loop will be 15.0 m/s. What is the maximum radius that the loop can have so that the car will not fall off the track?

Why?

Check your Why? with Mr. C before continuing.

How?

Show all work including substitution with units.

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Open the short cut **IP Cir Loop** in the folder on one of the lab stations.
Enter the answer you found above. Check your answer by hitting the check button.
If your answer is not correct follow the interactive steps below the problem to work through the solution. Write the correct steps with solution on the back of this page.