

# Solution Manual for Engineering Mechanics Dynamics, 13th Edition

## R1-1.

An automobile is traveling with a constant speed along a horizontal circular curve that has a radius  $\rho = 750$  ft. If the magnitude of acceleration is  $a = 8$  ft/s<sup>2</sup>, determine the speed at which the automobile is traveling.

## SOLUTION

$$a = a_n = 8 = \frac{v^2}{\rho}$$

$$8 = \frac{v^2}{750}$$

$$v = 77.5 \text{ ft/s}$$

Ans.

# Dynamics 13th Edition Solution Manual

**J Spring**



## **Dynamics 13th Edition Solution Manual:**

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