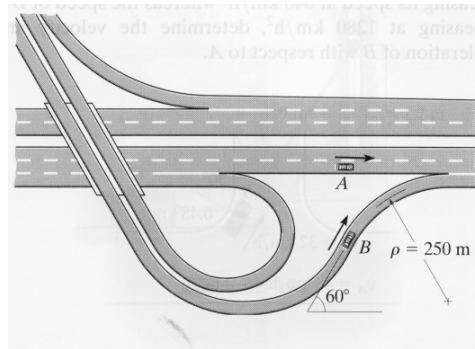


การบ้าน Relative Motion

At the instant shown car A is traveling with a velocity of 30 m/s and has an acceleration of 2 m/s^2 along the highway. At the same instant B is traveling on the trumpet interchange curve with a speed of 1.5 m/s , which is decreasing at 0.8 m/s^2 . Determine the relative velocity and relative acceleration of B with respect to A at this instant.



การบ้าน การเคลื่อนที่ของอนุภาคที่ยึดติดกันแบบถูกบังคับ

The crate is being lifted up the inclined plane using the motor M and the rope and pulley arrangement shown. Determine the speed at which the cable must be taken up by the motor in order to move the crate up the plane with a constant speed of 1.2 m/s .

