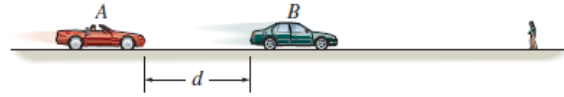


5) Car B is traveling a distance d ahead of Car A . Both cars are traveling at 60 ft/s when the driver of B suddenly applies the brakes, causing his car to decelerate at 12 ft/s^2 . It takes the driver of Car A 0.75 s to react and apply his brakes, causing the car to decelerate at 15 ft/s^2 . Determine the minimum distance d between the cars so as to avoid a collision. Clearly label coordinate



20 marks