W3.15

F = ma Systems - Key

Find the acceleration of the system and tensions in all ropes. All systems accelerate from rest. [1]



[3] A car, initially at traveling at 30 m/s, slides to a stop. What µ is required for the car to stop in 75 meters?

0.6

36.87°



The 2-kg mass accelerates from rest. It falls 8 meters in the first 4 seconds. What is the mass of block M? M = 6 kg