

Paper Homework No. 06 (Spring 2018)

PHYS 205A: University Physics

Due date: Friday, 2018 Mar 9, 12.00pm, in class

(Name)

(Signature)

Instructions

1. Your submission should include only this page. Other forms of submissions will not be accepted. Please print this page, and write your solution on the back side.
2. Show your thought process in detail and organize it clearly.
3. Make sure your answer has the correct units and the right number of significant digits.

Question

A stuntman drives a car over the top of a hill, the cross section of which can be approximated by a circle of radius $R = 150$ m. What is the greatest speed at which he can drive without the car leaving the road at the top of the hill?

