

Tuesday Jan 13, hour 4: Draw a Figure

January-13-15 10:30 AM

Return Quiz 1, appeals policy.

Then go over handout as follows:

Reading: Section 1.2

Quiz 2: A subset of 1.2, 5-1, 2, 10

Problems:

1.2.2. A particle moving on a straight line starts from rest and attains a velocity v_0 after traversing a distance s_0 . If the motion is such that the acceleration was never increasing, find the maximum time for the transverse.

Young's inequality. } done

1.2.3. If a and b are positive integers with no common factor, show that

$$\left\lfloor \frac{a}{b} \right\rfloor + \left\lfloor \frac{2a}{b} \right\rfloor + \left\lfloor \frac{3a}{b} \right\rfloor + \cdots + \left\lfloor \frac{(b-1)a}{b} \right\rfloor = \frac{(a-1)(b-1)}{2}.$$

colliding ants } done.

Cars in the Sahara desert.