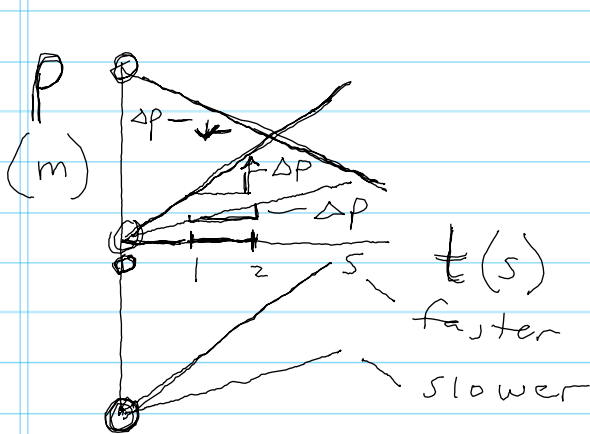
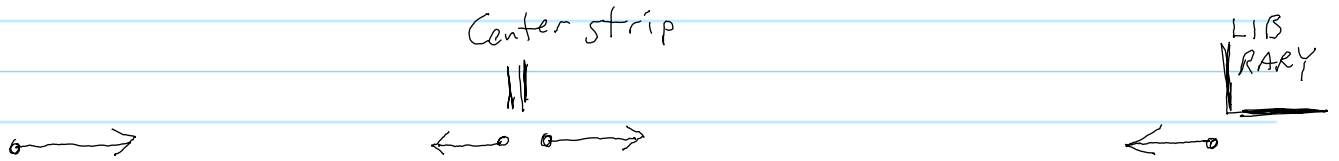


CARS IN HALL - review

PAYNE
O'SULL

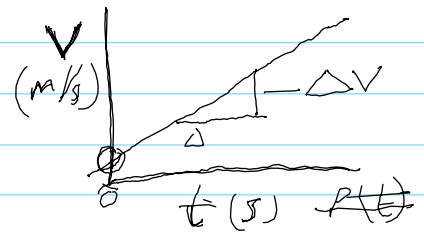


slope
 $y = ax + b$
 $p = vt + p_i$
 math
 science
 slope = velocity
 sign of slope = direction

WHEEL ON RAMP



(s) t | v (m/s)



Lin Reg ~~$y = ax + b$
 $a =$
 $b =$
 $r^2 = .93$~~

Quad Reg
 $y = ax^2 + bx + c$
 $a = .02$
 $b = .019$
 $c = p_i$
 $r^2 = .99$

Lin Reg
 $y = ax + b$
 $v = at + v_i$
 $a = .04$
 $b = .02$

$$p = \frac{1}{2}at^2 + v_i t + p_i$$

(m) $\left(\frac{m}{s^2}\right)\left(\frac{s^2}{s^2}\right) + \left(\frac{m}{s}\right)\left(\frac{s}{s}\right) + m$