

(I) = Impulse =  $\Delta \vec{P} = \vec{F}_{net} \cdot \vec{t}$  time and that's mean are can have for the same amount of of DP different Fret and different t. Then, in an accident cars experience a DP in Very small time, wich we call it I mpulse. but If we try to change the time in DP we can increase or decreases DP.

for example if we change in car designe to make the body apserive accdint will take longer time till we reach the passengers wishe may safe ther life.

 $\Delta \vec{p} = \vec{f}_{net} \cdot t \uparrow \implies Smaller \Delta \vec{p} = smaller(I)$ and DP = Fret . t => bigger DP = bigger []