Momentum and Collisions Cinear momentum p=mv

Impulse-momentum theorem

F=ma=m v-vo = mv-mvo

st

Fot = mv-mvo = sp

Inacollision we may need to use average force

When no external forces act on a system of 2 or more objects, the total momentum before a collision is equal to the total momentum after the collision

Inelastic-momentum conserved, KE not Perfectly inelastic-momentum conserved Elastic-momentum and KE conserved

Zp:=Zpf