Moments of Inertia

\bigcirc	Main idea :	Where is the axis of votation located in an object?!
)		How to calculate moments of inertia ?!
	3	Understanding physical pendulum along with mayouts of inertia.

The total momentum of each molecules add up to equal the momentum of the whole system...

Mtolul. Vtotal =
$$\frac{1}{2}$$
 m. $\frac{d \times i}{dt}$ when we endded up the masses of each molecule based on how far it is from a scleeted coordinated $\frac{1}{2}$ $\frac{$

In the reference of frame where the on the GPA based on the score we got and c.o.m is stationary:

the # of credit hours and when we added up all the classes and devide it by total

GPA = S hour. Grade

i=1 Total hours

which means that all molecules are votating around the c.o.m... and the axis of votation is always at the c.o.m... unless the axis of votation was set to be other than that...

It represent our average grade based on hours However, (X c.o.m) is the overage distance of all molecules based on the molecule mass...

- (3) How to colculate moments of inertia (I) ?!
 - When axis of votation is at c.o.m When axis of votation is out of c.o.m



