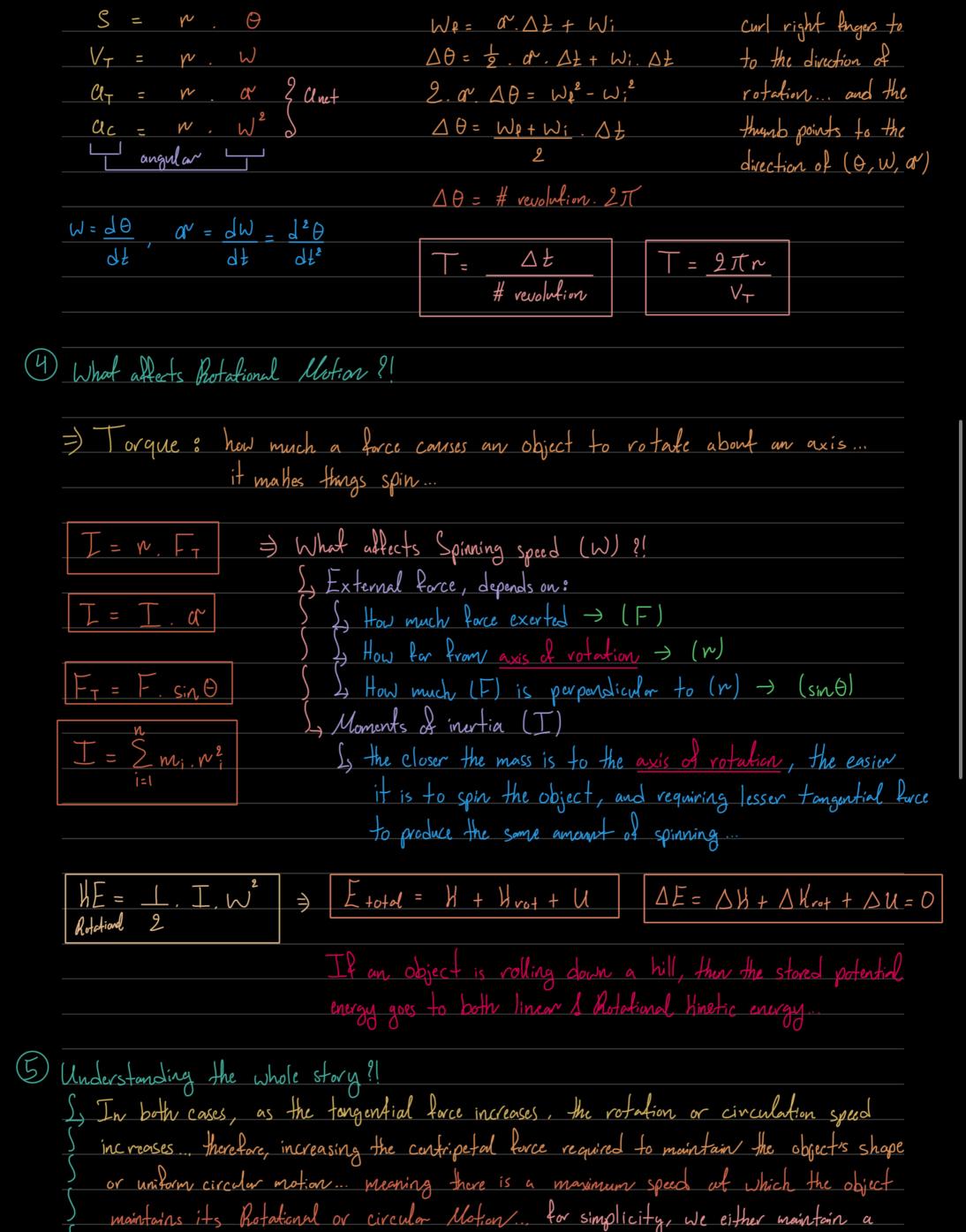
Rotational Motion

	Main idea: "What is the difference between hotalional & Circular Motion !!
	Main idea: What is the difference between hotational & Circular Motion ?! What Hind of relationship it has with transitional Motion (linear vector):
	What affects Rotational Motion ?!
	10 Understanding the whole story!
	Difference between Retational & circular motion
	S. Rotational Motion
	I is the motion of an object around an internal axis (axis inside the object itse
	I as a ball spinning or revolving around itself
	Is has 2 forces acting upon it:
	S contripotal (Fc) (F11)
	Maintains the object's shape (due to intermolecular forces)
	s points towards the axis of rotation ((usually center of mass))
	Sy Tengential (F+) (F1)
	So it's the reason behind the change of Motation speed
	I always tangent to the object ((perpendicular to radius))
	S. Circular Motion
	So is the motion of an object around an external axis (axis separate than the object
	Es as a car turning around a circular track
	Is has 2 forces acting upon it:
	S. Contripetal (Fc) (F11)
	Maintains a uniform circular Motion ((due to gravity, friction, or tension)
	s points toward the center of the circle
	S, Tangential (Fr) (F1)
	Sits the reason behind the change of circular speed
	Is always tangent to the circle ((perpendicular to radius))
3	What Hind of relationship does a Rotational motion have with transitional Motion?!
	(linear) [N] (polar) tourising Alberta (Aller)
	track of Deland



certain period of time) or it the speed is changing, we calculate at a
In Rotational Motion, it we ze	com inside the object, the molecules move in a
	is restricted by its neighboring molecule However,
the farther away the molecule from	center of votation, the more tengential force is required
	ne period, angular acceleration. I angular speed as a
	to hotole as one as a result, when an external
	edge of an object, the force is not distributed evenly
between melecules and that is	why the edge of an object always breath first
when the object is votating w	
(γ) increase $\rightarrow (F_T)$ increases $\rightarrow (\alpha_T)$ incr	reases \rightarrow (VT) increases \rightarrow (α_c) increases \rightarrow (Fc) increases
(L) increases \Rightarrow (L) increases \Rightarrow	For every point on an object to maintain the
	Some (IT, of, W))
lacte the case ((T or 1))	ng with the merry - go - round, then that person must one with the system
rave true sample ((), (1 , 12 /) SINCE (TS	ONE WITH THE SYSTEMV
	((d & r)) 90
edge	Distance the molecules travels = N. O
middh	igstyle igy igstyle igstyle igstyle igstyle igstyle igstyle igy igstyle igy igstyle igy igy igy igy igy igy igy igy
Innu	Inner molecule
$\left(\begin{array}{c} \vdots \\ \times \end{array}\right)$	middle molecule
	edge molude
	For the molecules to finish their own distances at
	the same time
	Inner middle edge
	$V_T < V_T < U_T$
	$\alpha_{T} < \alpha_{T} < \alpha_{T}$
	FT C FT C FT