Angular Hamerkum, parlide mass

Defined I's = r's x p' - r's x mi

ILII - (mysin 0

vm (0 nic1) =

Vm to rota la snil di anotila «

ce calculated argus mamentum for pathole masses on dilldert Kaipotosies

- o circula mation is Is Is will Is = mR2 the moment of matic of the particle mass about the content axis.

-o circular mation, & about point on contrat exis, althora In both the trajectory.

is mR2 w. h - hmkw. ?

note that the z-comp. is independent of h, the location of the point 5 on the z-axis.

Angula Hamenhom of clojects Symmetric docum on Axis.

A symmetric edject can be thought at as a set of paint patholes, diametrically separated, and making the separated and separated

A pair of FUCH point pathates has any man about point 5:

Li - mk2w2h - hmkw2f + mk2w2h + hmkw2f

A ling is compased of a set of pairs of point parious.

 Γ_s^* . $\sum_{p \in \mathcal{U}} 2 \cdot \Delta m_i K^2 \overline{\omega}^*$, where each point pathole in a part half mass Δm_i .

(Zmpril) R20 - mRW Taris

* mk2 is the Is of the ring

Jm - KJO m

Is: 5 md0 R2 mK2 (211-0) - mR2

A solid, sympnetric object is composed of times and pains of point path over.

o L's · Ianis co, I am the moment of inother of

the entire doject about point on the crus.

is in independent of the point one choose on the crisis

same intershing and impation results

- it P's = 0 lines L'Asp = L'ests la ort too points A.B.

- in lines matica, $K = \frac{mq^2}{3} \cdot \frac{p^2}{3m}$

in radioal makin, Kiat: Iaku w²

For a symmetric object, Zens I I I on 0 0 = Lens

Tens

* Kick. Lens

Torque and Angular Homenhum