Recorder:
$$V_{cr} = R = \frac{\sum_{k=1}^{N} \sum_{k=1}^{N} (x_k, y_k, z_k)}{\sum_{k=1}^{N} \sum_{k=1}^{N} \sum_{k=1}^{N} (x_k, y_k, z_k)}$$

$$K = (x, y, z)$$

Ec. Le movimiento

Probleme de los Z cuerpos.

T' = - F-

$$\begin{cases}
=\sqrt{-\sqrt{2}} & \Gamma_1 = \mathbb{R} + \frac{\sqrt{m_1 + m_2}}{m_1 + m_2} \\
\mathbb{R} = \frac{\sum_{m \in V_K}}{m} & \Gamma_2 = \mathbb{R} - \frac{m_1}{m_1 + m_2} \\
(m_1 + m_2) \hat{\mathbb{R}} = \frac{1}{1 + 1} + \frac{1}{2} \\
(m_1 + m_2) \hat{\mathbb{R}} = \frac{1}{1 + 1} + \frac{1}{2} \\
\frac{1}{1 + 1} = \frac{1}{1 + 1} + \frac{1}{2} \\
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\frac{1}{1 + 1} = \frac{1}{1 + 1} + \frac{1}{2} \\
\frac{1}{1 + 1} = \frac{1}{1 + 1} + \frac{1}{2} + \frac{1}{2} \\
\frac{1}{1 + 1} = \frac{1}{1 + 1} + \frac{1}{2} + \frac{1}{2}$$

Reesocribir:

lonar la energia cinética. T==1m.2+=mzv2 == 1MR+1Mr2 r = R+ Mr r = R- Mr r = R- Mr tyanplo":

a) $V_{c-1} = \frac{v_{1}v_{1}^{2} + v_{1}v_{2}}{v_{1}v_{1}v_{2}} = \frac{v_{1}v_{2}}{v_{1}v_{2}}$

b) Dodo que vota a rededer de cm.

T= = \frac{1}{7} \omega^2 =) T= \frac{1}{7} \omega \omega^3 \omega^2.

maso puntos) = m rol 9

M

c)
$$M\ddot{r} = -Kr$$
 $\rightarrow MAS$.
 $\ddot{r} + \frac{K}{M}r = 0$
 $\rightarrow woz \rightarrow woz \sqrt{\frac{(m.+m.)}{m.m.z}}$