Oméanne com. raemnyn b maccur. mekannike.
Bropoù j-u howrona kan yp-e ghutt-r.
haranonne yen-r.
Zagara ghyt men, nombyennane macca.

cocmosure MT u cuesenn MT

nonottenne moran 8 3t repu. up-te oup. paguye-teamopon, 3agal. 3mg nuenames

N rosen 3N noopgunar

из опенеримента:

og nobpenem or japanne brex nospjunar u mopersen nomocmo unpigener ganoneiner ghum. « acomy

7.c. -11 - nomocmoro jagars com encrenn

Brokon 3-4 Knomona

Def. umnyme MT — p=mr woot. upon.

Dy. cura - mepa unsenentrocum Gannag. Ten, who who is hym- u us unnyrous

= = of

Lan. (Broken 3-4 Koromous)

yensperux, upus primaence tenom, uperioupus nopy.
upurout. une, espaon. upon. macce mena 4 hamp.
no uperioù, no nom. oma cura genicolyer.

 $\frac{d\vec{v}}{dt} = \frac{\vec{F}}{n}$   $d\vec{p}' = \vec{F}dt$ uningnic wan

$$m_i \frac{d^2 r_i^2}{dt^2} = \vec{F}_i \stackrel{\text{ext}}{=} \vec{F}_{ik}$$

3 ggara gty\* men. (uzonup. ener. uz jby\* lzannog-\* MT)

$$m_1 \frac{d^2 r_1^2}{dt^2} = F_{12} \qquad m_2 \frac{d^2 r_2^2}{dt^2} = F_{21}$$

$$\frac{d^{2}(r_{1}^{2}-r_{2}^{2})}{dt^{2}}=\frac{1}{m_{1}}\overrightarrow{F_{12}}-\frac{1}{m_{2}}\overrightarrow{F_{21}}=\left(\frac{1}{m_{1}}+\frac{1}{m_{2}}\right)\overrightarrow{F_{12}}=\frac{1}{m_{1}}$$

$$p \frac{d^2r^2}{dt^2} = F_{12} - Th = \delta \text{ on wowsers worm } gtn_{14-4} \text{ MT}$$

$$R_{c} = \frac{m_{1} \vec{r_{1}} + m_{2} \vec{r_{2}}}{m_{1} + m_{2}}$$

$$\vec{r}_{1} = \vec{R}_{c} + \frac{m_{2}}{m_{1} + m_{2}}$$

$$= \frac{m_{1} \vec{r}_{1}^{2} + m_{2} \vec{r}_{2}^{2} + m_{2} \vec{r}_{1}^{2} - m_{2} \vec{r}_{2}^{2}}{m_{1} + m_{2}}$$

$$= \frac{m_{1}}{r_{2}^{2}} = \frac{m_{1}}{m_{1} + m_{2}}$$

$$= \frac{m_{1}}{r_{1}^{2}} + \frac{m_{2}}{r_{1}^{2}} + \frac{m_{2} \vec{r}_{1}^{2} + m_{2} \vec{r}_{1}^{2}}{m_{1} + m_{2}}$$

$$= \frac{m_{1} \vec{r}_{1}^{2} + m_{2} \vec{r}_{2}^{2}}{m_{1} + m_{2}}$$

$$= \frac{m_{1} \vec{r}_{1}^{2} + m_{2} \vec{r}_{2}^{2}}{m_{1} + m_{2} \vec{r}_{2}^{2}} + \frac{m_{2} \vec{r}_{1}^{2} - m_{2} \vec{r}_{2}^{2}}{m_{1} + m_{2} \vec{r}_{2}^{2}}$$