

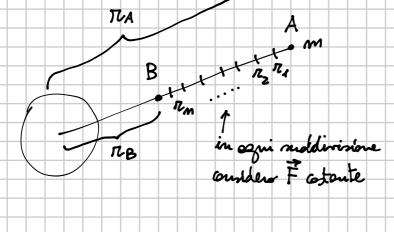
LAWRO BELLA FORZA GRAVITAZIONALE (SU M)
DA A A B

$$W_{A\rightarrow B} = U_A - U_B =$$

$$= -G \frac{Mm}{r_A} - \left(-G \frac{Mm}{r_B}\right) =$$

$$= G M M \left(\frac{1}{n_B} - \frac{1}{n_A} \right)$$

DIMOSTRAZIONE



$$\Delta W_{A \rightarrow 1} = G \frac{Mm}{R_1 R_4} \left(\frac{\pi_A - \pi_A}{\pi_A - \pi_A} \right) =$$
freds

ome distance = $G M_m \left(\frac{1}{R_A} - \frac{1}{R_A} \right)$

la media geometria di R, e TA, GOE VRARA

$$=GH_{M}\left(\frac{1}{R_{1}}-\frac{1}{R_{A}}\right)+GH_{M}\left(\frac{1}{R_{2}}-\frac{1}{R_{4}}\right)+\ldots+GH_{M}\left(\frac{1}{R_{B}}-\frac{1}{R_{M}}\right)=$$

$$=GHm\left(\frac{1}{\pi_B}-\frac{1}{\pi_A}\right)$$