

$$T = 4 \int_{0}^{\infty} \sqrt{\frac{2(E - V \propto 1)}{2(E - V \propto 1)}} dx$$

$$= (x, \pm) = \lim_{n \to \infty} \left(\frac{dx}{dt}\right)^{2} + V(x)$$

$$= (a, 0) = V(a) ; \frac{dx}{dt}(0) = 0$$

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$$\frac{dF = \frac{6mdH}{r^{12}} \qquad \frac{dH = \frac{H}{L}d3}{L}$$

$$\frac{dF = \frac{6mH}{L} \frac{d3}{L} = \frac{6mH}{L} \frac{d3}{r^{2}+3^{2}}$$

$$= = \frac{6mH}{L} \int_{r^{2}+3^{2}}^{r^{2}+3^{2}}$$

$$= = \frac{F}{L} = \frac{m}{L} \int_{r^{2}+(\frac{L}{2})^{2}}^{r^{2}+3^{2}}$$

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$$= \frac{G}{L} \int_{r^{2}+(\frac{L}{2})^{2}}^{r^{2}+3^{2}}$$

$$= \frac{G}{L} \int_{r^{2}+(\frac{L}{2})^{2}}^{r^{2}+1}$$

$$= \frac{G}{L} \int_{r^{2}+(\frac{L}{2})^{2}}$$

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$$= \frac{G}{L$$