Nobelpodo Irobolho II de Colcub III $00 = \frac{1}{L} \int_{-L}^{L} dt = \frac{1}{Q} \int_{-Q}^{Q} t^{3} dt = 0$ Rois dé inpor.

on = $\frac{1}{2} \int_{0}^{\infty} \int$ t³ ornot é u pr, loga Onso $bn = \int_{\mathcal{Q}} \{ \{ \{ \} \} \}$ $M = 43 du = 34^2 dt$ dv = m u t dt m u m u t dt

$$Dm = 2 \int_{0}^{R} t^{3} x m \frac{n \pi}{a} t dt = 2 \left[-\frac{t^{3}}{n \pi} \cos n \pi t \right]_{0}^{R} t^{2} \cos n \pi t dt$$

$$= 2 \int_{0}^{R} t^{3} \cos n \pi t dt + \frac{3a}{n \pi} \int_{0}^{R} t^{2} \cos n \pi t dt$$

$$T_{1} = \int_{0}^{R} t^{2} \cos n \pi t dt = \frac{e^{2}}{n \pi} t^{2} \cos n \pi t dt$$

$$M = t^{2} dn = 2t dt$$

$$M = corn \pi t dt$$

$$T_{1} = \int_{0}^{R} t^{3} \cos n \pi t dt = \frac{2}{n \pi} \int_{0}^{R} t^{3} \cos n \pi t dt$$

$$T_{2} = \int_{0}^{R} t^{3} \cos n \pi t dt = \frac{2}{n \pi} \int_{0}^{R} t^{3} \cos n \pi t dt$$

$$T_{3} = \int_{0}^{R} t^{3} \cos n \pi t dt = \frac{2}{n \pi} \int_{0}^{R} t^{3} \cos n \pi t dt$$

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$$I_{2} = \begin{cases} e \\ t \text{ min } t \text{ d} t = \frac{t}{n\pi} \text{ const} \end{cases} + \frac{a}{n\pi} \begin{cases} const \text{ d} t \\ e \end{cases}$$

$$\mu = t \quad du = dt$$

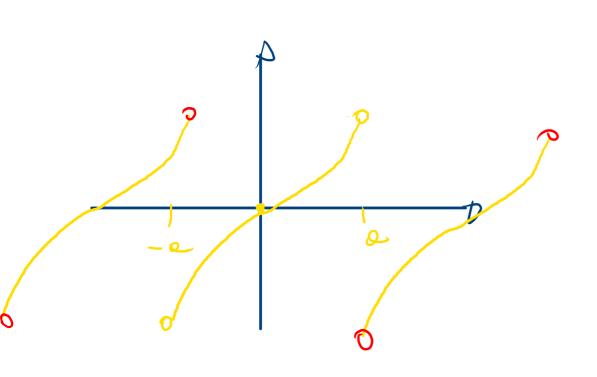
$$dv = \text{min } \text{mit } dt \qquad J_{2} = -\frac{a}{n\pi} \text{ const} + \frac{a^{2}}{n^{2}\pi^{2}} \text{ min } \text{mit } \end{cases}$$

$$v = -\frac{a}{n\pi} \text{ const}$$

$$n = -\frac{a}{n\pi} \text{ const}$$

$$bm = \frac{2}{e} \left[-\frac{e^4}{n\pi} (snm\pi) + \frac{3e}{n\pi} d - \frac{2e}{n\pi} (snm\pi) \right]$$

$$= -\frac{2e^3}{m\pi} (snm\pi) + \frac{12e^3}{m^3\pi^3} (snm\pi) = (-1)^m d^3 2 \left(\frac{6}{m^2\pi^2} - 1 \right)$$



 $f(t) = \int_{0}^{\infty} 0 \qquad t = \pm \infty$ $\int_{0}^{\infty} t^{3} = \alpha \leq t \leq \alpha$