$$tq^2x + 1 = nec^2x$$

$$tq^2x = nec^2x - 1$$

$$\int t_q^2 x \cdot t_q^2 x \, dx = \int (sec^2 x - 1) \cdot t_q^2 x \, dx = \int sec^2 x \cdot t_q^2 x \, dx - \int t_q^2 x \, dx$$

* Agere, momos substituição:

$$u = t_0 \times dt = n \cdot x^2 \times dt$$

$$\int u^2 du - \int (nec^2x - 1) dx = \int u^2 du - \int nec^2x dx + \int dx$$

$$\frac{L^3}{3} - t_{gx} + x + C = \frac{t_{g}^3 \times - t_{gx} + x + C}{3}$$

$$sec^2x = tg^2x + 1$$

$$\int nex^2 \times . nex \times dx = \int (tg^2 \times + 1) . nex \times dx = \int tg^2 \times . nex \times + \int nex \times dx$$

$$\longrightarrow * Nav den certo deta funca$$

 $\int u \, dv = u \cdot v - \int v \, du = sec \times \cdot tg \times - \int tg \times \cdot sec \times \cdot tg \times = sec \times \cdot tg \times - \int tg^2 \times \cdot sec \times ds$ = nec x. $t_g \times - \int (nec^2 x - 1) \cdot nec x = nec x \cdot t_g x - \int nec^3 x dx + \int nec x dx$ 2 | $nex^3 \times dx = nex \cdot ty \times + \int nex dx$

$$\int nex^3 \times dnc = \frac{1}{2} \left(nex \times tg \times + \frac{\ln |nex \times tg \times|}{2} + C \right)$$

de france 2x cos 2x de

$$du = con 2x$$

$$du = - sen 2x dx$$

$$- du = sen 2x dx$$

$$\int_{0}^{t} u^{2} - \frac{du}{2} = -\frac{1}{2} \int_{0}^{t} u^{2} du = -\frac{u^{2}}{2} + C = -\frac{\omega^{2} dx}{2} + C$$

$$\left[\frac{-\omega^{2} \lambda x}{2} \right]^{\frac{1}{1}} = -\frac{1}{2} \left(\omega^{2} \lambda \pi - \omega^{2} \lambda 0 \right) = -\frac{1}{2} \left(1 - 1 \right) = 0$$

$$\frac{1}{2} \int \left[\operatorname{sen}(m \times) \cdot \operatorname{to}(N \times) dx \right] = \frac{1}{2} \int \left[\operatorname{sen}(m + N) \times + \operatorname{sen}(m - N) \times \right] dx$$

$$\frac{1}{2} \int_{-\infty}^{\infty} (m \times) \sin(n \times) dn = \frac{1}{2} \int_{-\infty}^{\infty} [\cos(m + n) \times - \cos(m - n) \times] dn$$

$$\#\int \omega_{1}(m \times 1) \cdot \omega_{2}(m \times 2) dx = \frac{1}{2} \int [\omega_{2}(m + N) \times + \omega_{2}(m - N) \times dx] dx$$