$$f(t) = \frac{4}{\pi}(sen\,\omega_0 t + \frac{1}{3}sen3\omega_0 t + \frac{1}{5}sen5\omega_0 t + .....)$$

---

$$f(t) = \frac{8}{\pi^2}(cos\,\omega_0 t + \frac{1}{3^2}cos3\omega_0 t + \frac{1}{5^2}cos5\omega_0 t + .....)$$

---

$$f(t) = \frac{1}{3}\pi^2 + \sum_{n=1}^{\infty}\frac{(-1)^n}{n^2}(cos\ nt)$$

---

$$f(t) = \frac{2A}{\pi} + \frac{4A}{\pi}\sum_{n=1}^{\infty}\frac{1}{1-4n^2}(cos\,2n\,\omega_0 t)$$

---

$$f(t) = \frac{4}{\pi}(cos\,\omega_0 t - \frac{1}{3}cos3\omega_0 t + \frac{1}{5}cos5\omega_0 t - .....)$$

---

$$f(t) = \frac{1}{2} + \frac{1}{\pi}(sen\,\omega_0 t + \frac{1}{2}sen2\omega_0 t + \frac{1}{3}sen3\omega_0 t + .....)$$

---

$$c_n = \frac{Ad}{T}\frac{sen(\frac{n\omega_0 d}{2})}{(\frac{n\pi d}{T})}$$

---

$$c_n = \frac{Ad}{T}\frac{sen(\frac{n\omega_0 d}{2})}{(\frac{n\pi d}{T})}e^{-jn\omega_0 d/2}$$