Fourier Series

$$x(t) = \sum_{k=-\infty}^{\infty} a_k e^{jk2\pi f_o t}$$

$$x(t) = \cdots + a_{-2}e^{-j4\pi f_o t} + a_{-1}e^{-j2\pi f_o t} + a_0$$
$$+a_1e^{j2\pi f_o t} + a_2e^{j4\pi f_o t} + \cdots$$

$$f_o = 1/T$$

 f_o : fundamental frequency

T: fundamental period