

Poisson summation formula

$$\sum_{n \in \mathbb{Z}} f(x+n) = \sum_{n \in \mathbb{Z}} \hat{f}(n) e^{+j2\pi n x}$$

Fourier transform pair

$$\begin{array}{cc} f & \hat{f} \\ \delta & 1 \end{array}$$

$$\frac{1}{T_0} \sum_{k=-\infty}^{\infty} \delta\left(\nu - \frac{k}{T_0}\right) = \sum_{n=-\infty}^{\infty} 1 \cdot e^{-j2\pi \nu n T_0}$$