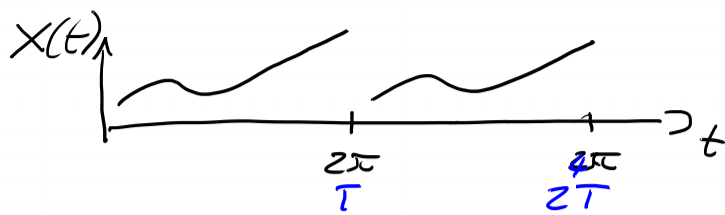


Ma 3: Fourier-Reihe:  $k$ -Achse = Frequenz-Achse im Spektrum

$2\pi$ -periodisch:  $x(t) = \sum_{k=-\infty}^{\infty} c_k e^{ikt} = c_0 + \sum_{k=1}^{\infty} 2|c_k| \cos(kt + \arg(c_k))$



$T$ -periodisch:  $x(t) = \sum_{k=-\infty}^{\infty} X_k e^{ik \frac{2\pi}{T} t} = X_0 + \sum_{k=1}^{\infty} 2|X_k| \cos(k \frac{2\pi}{T} t + \arg(X_k))$

Spektrum:

