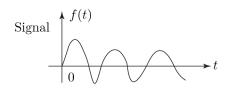
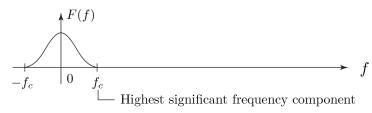
The Fourier Transform of a sampled signal is equal to the superposition of the transform of the continuous signal shifted by all multiples of the sampling frequency.

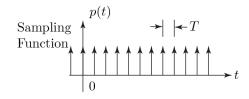
Convolution
$$F_d(f) = F(f) * P(f) = \int_{-\infty}^{+\infty} F(f-x)P(x)dx$$

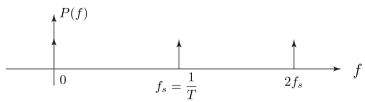
Time Domain

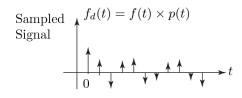
Frequency Domain

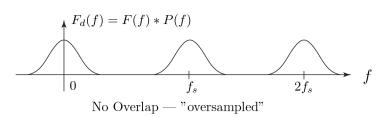












Time Domain

Frequency Domain

