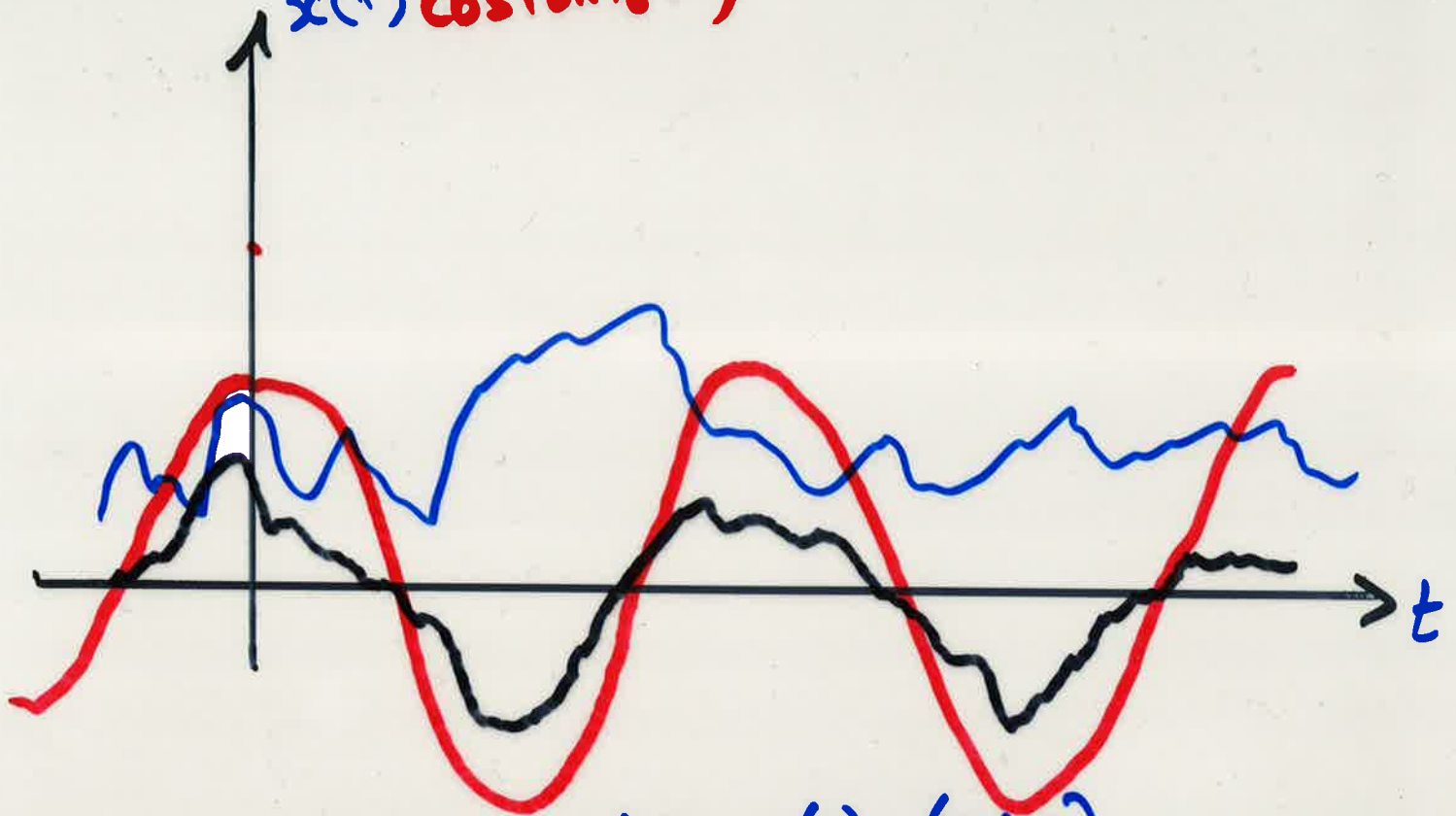
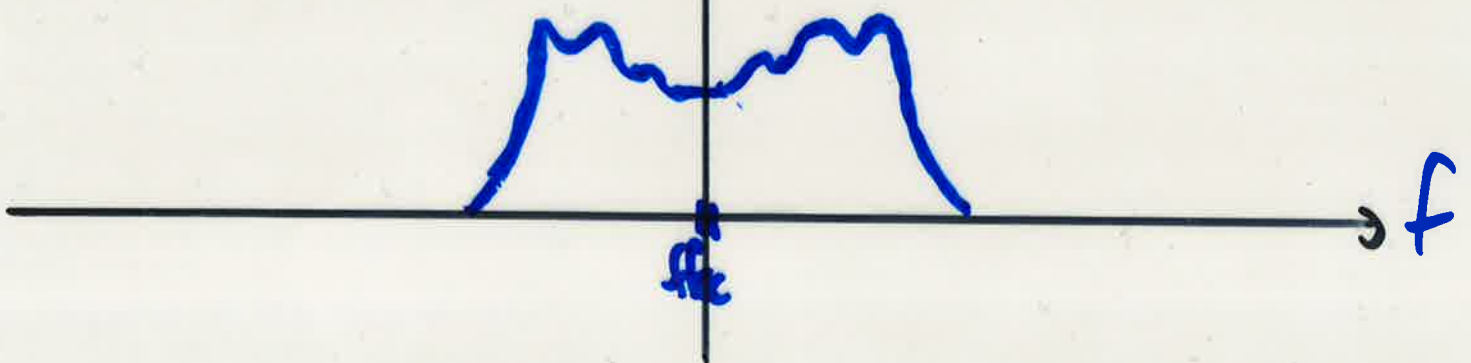


$$x(t) \cos(2\pi f_c t)$$



$$y(t) = x(t) \cos(2\pi f_c t)$$

$$X(f) \\ \frac{1}{2} [X(f-f_c) + X(f+f_c)]$$



$$Y(f) = \frac{1}{2} [X(f-f_c) + X(f+f_c)]$$

$$Y(f) = \frac{1}{2} [X(f - f_c) + X(f)]$$

