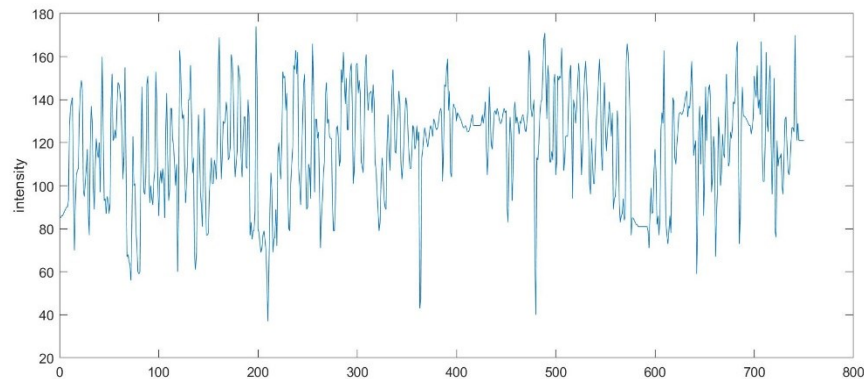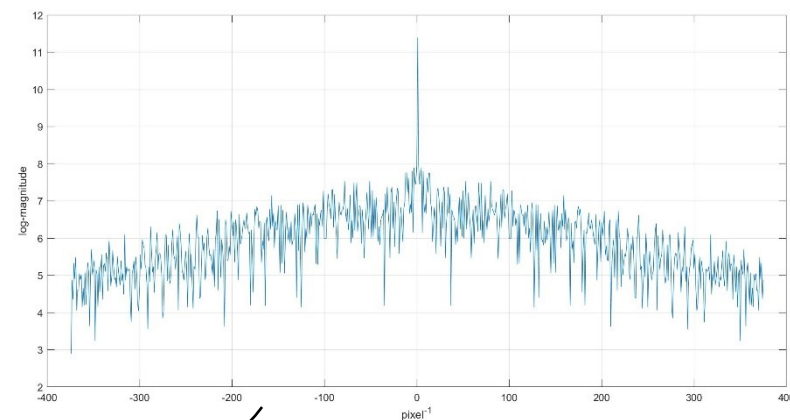$$\mathcal{F}(f(t)) = F(\mu) = \int\limits_{-\infty}^{+\infty} f(t)e^{-j2\pi\mu t}dt$$

$f(t)$

$F(\mu)$

$$\mathcal{F}^{-1}(F(\mu)) = f(t) = \int\limits_{-\infty}^{+\infty} F(\mu)e^{j2\pi\mu t}d\mu$$