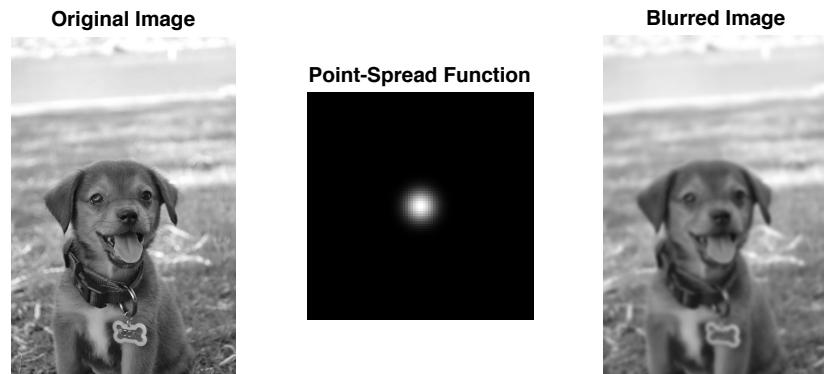


Q1A

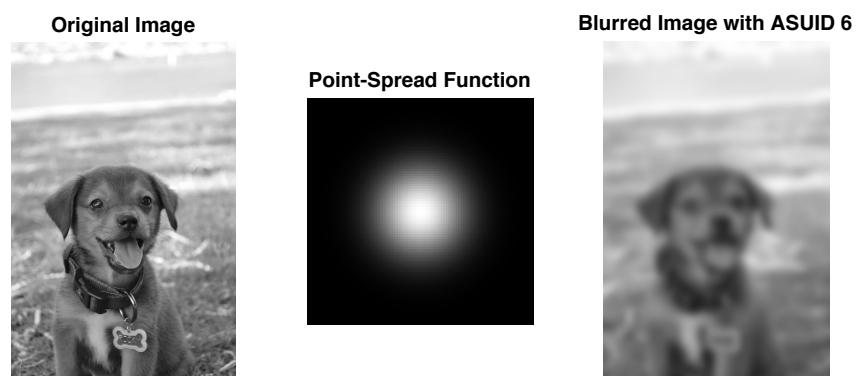
Q1a: Original Image



Q1B



Q1C



Q1D

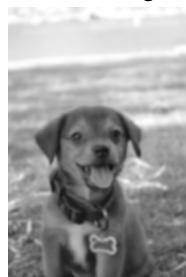
Blurred Image



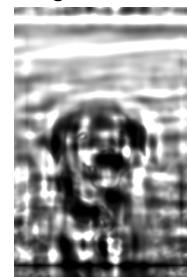
Restored Image: Regularized deconvolution



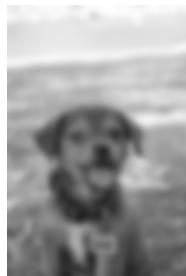
Blurred Image



Restored Image: Blind deconvolution



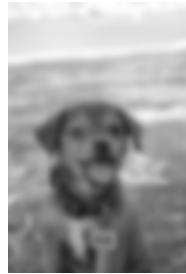
Blurred Image with ASUID 6



Restored Image: Regularized deconvolution



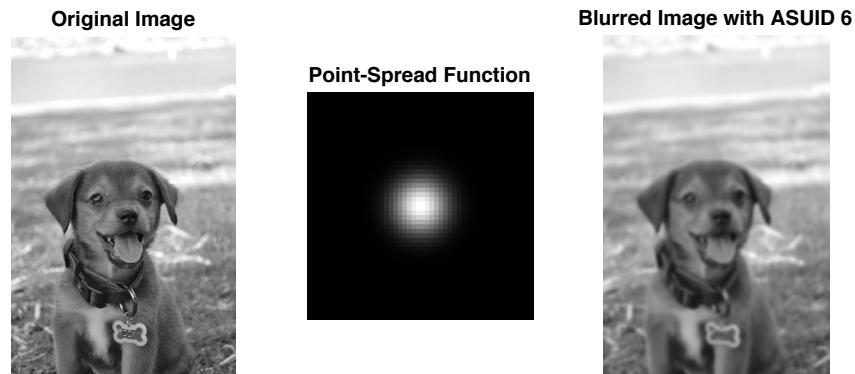
Blurred Image with ASUID 6



Restored Image: Blind deconvolution



Q1E



2nd plot error – not showing any plots/images

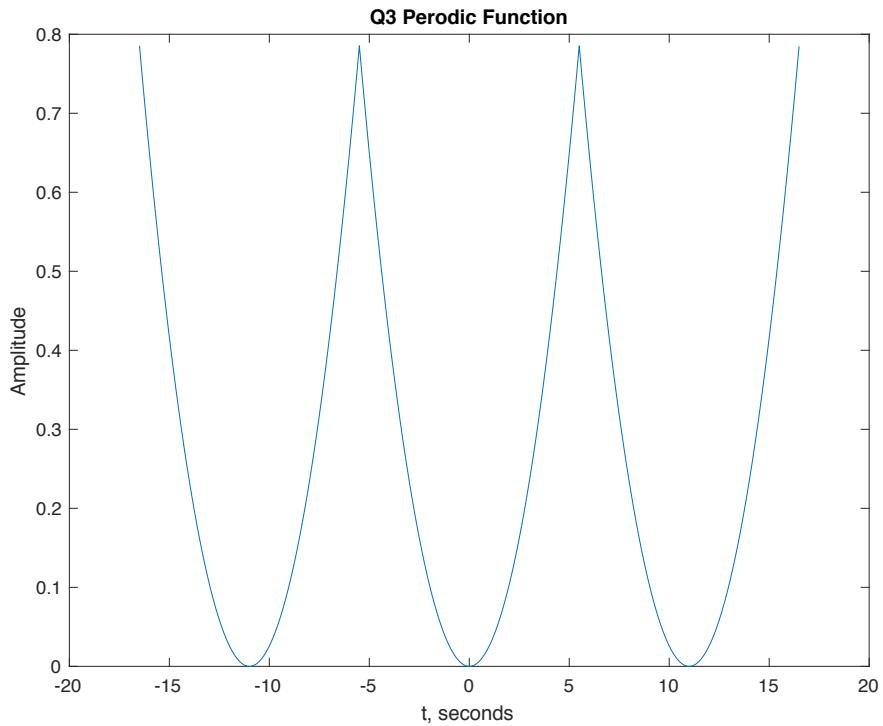
Q2A

Error - Subscript indices must either be real positive integers or logicals.

Q2B

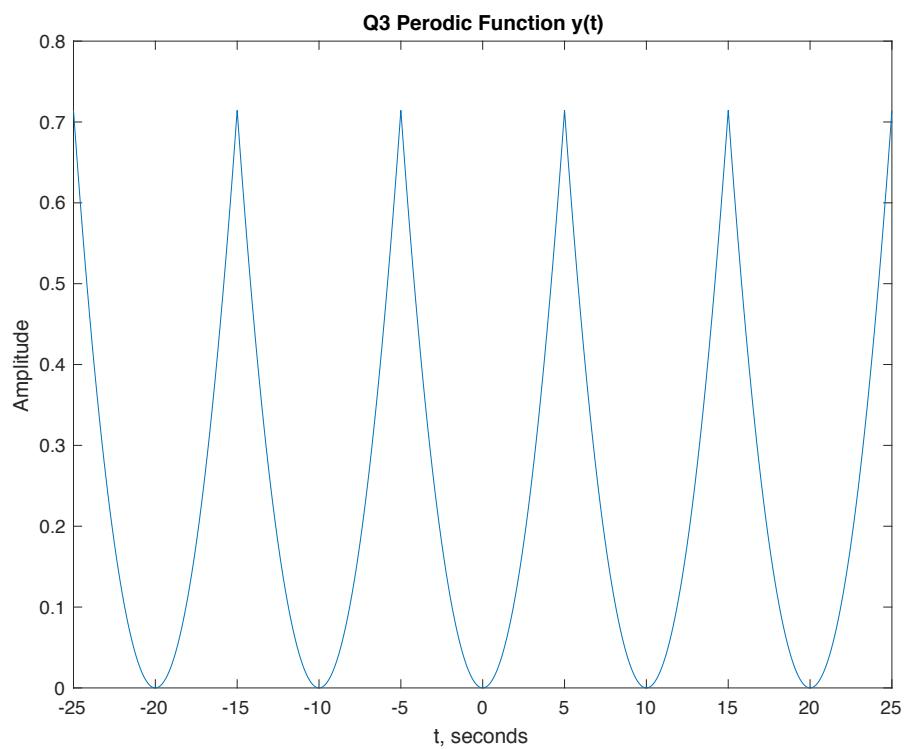
System is acasual because it has non-zero value when t>0.

Q3A



$$T = 10.9956$$
$$\text{amp} = 0.7854$$

Q3B

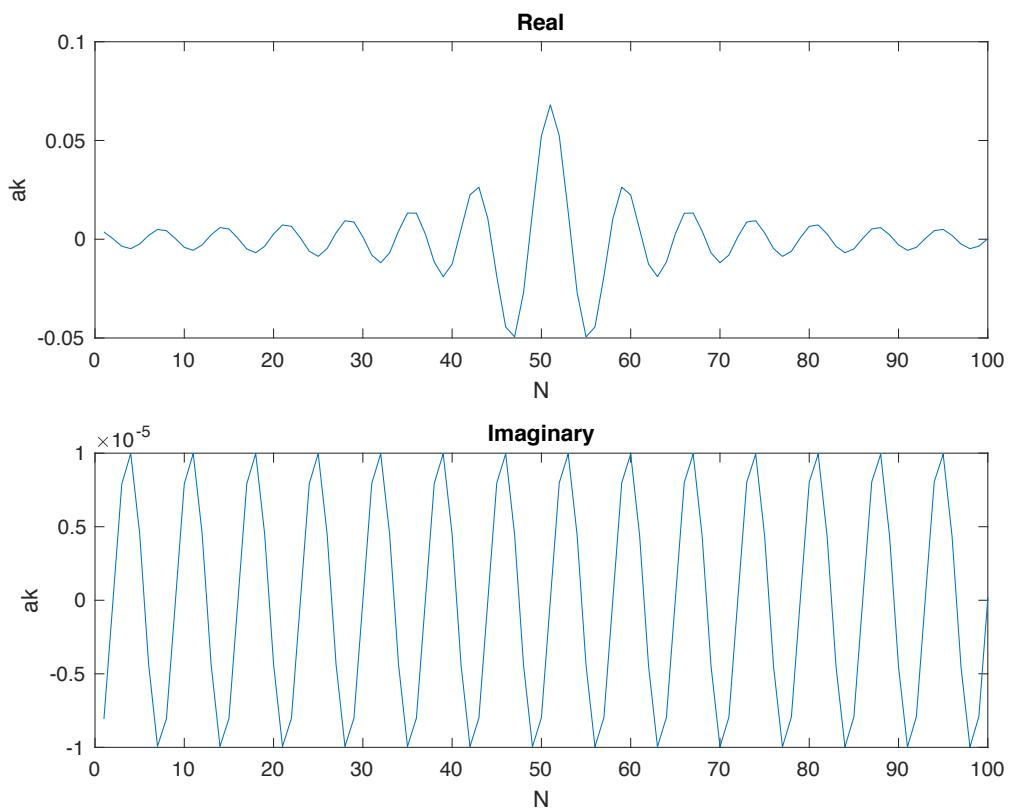


Q3C

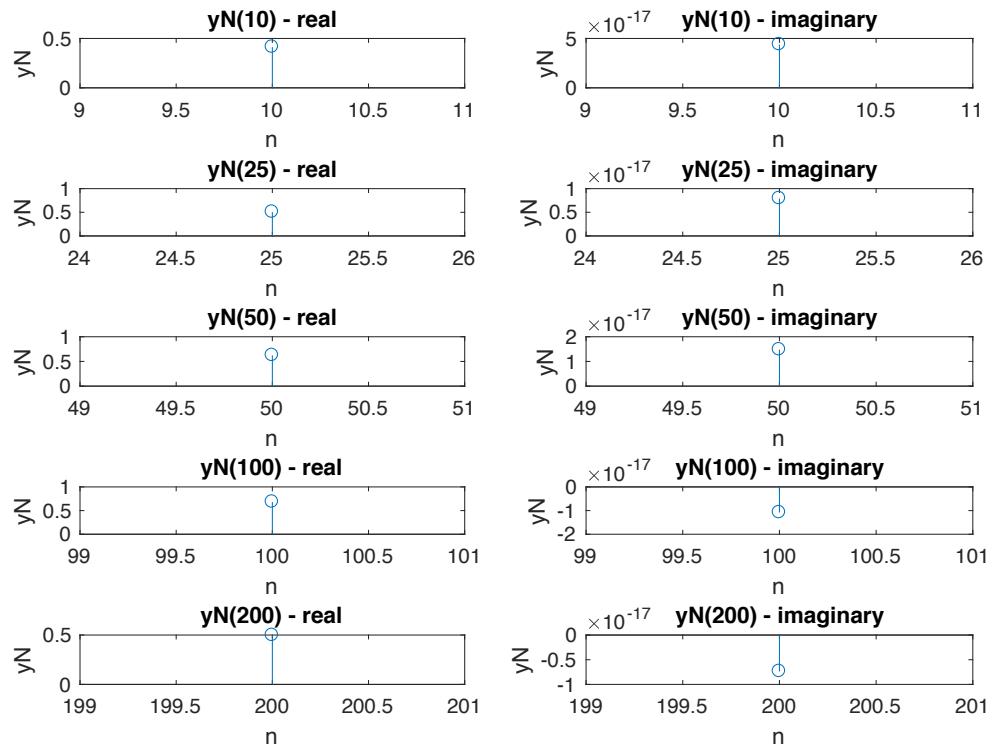
$$\begin{aligned}ao &= \frac{1}{T} \int_{-T/7}^{T/7} \frac{7t^2}{2T} dt \\ao &= \frac{7}{2T^2} \int_{-T/7}^{T/7} t^2 dt \\ao &= \frac{7}{2T^2} \left(\frac{t^3}{3}\right) \Big|_{-T/7}^{T/7} \\ao &= \frac{7}{2T^2} \left(\frac{\left(\frac{T}{7}\right)^3}{3} - \frac{\left(-\frac{T}{7}\right)^3}{3}\right)\end{aligned}$$

$$ao = 0.0680$$

Q3D



Q3E



Q3F