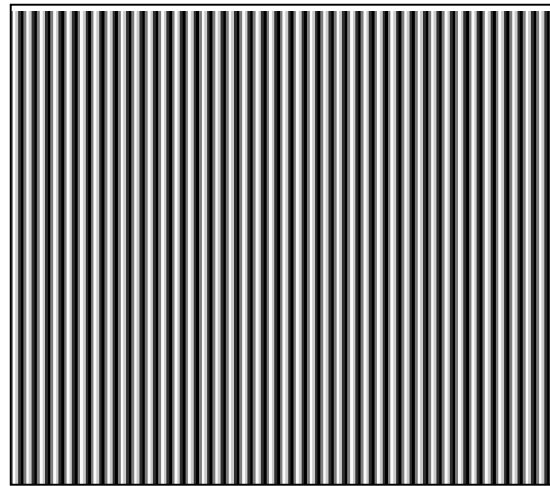
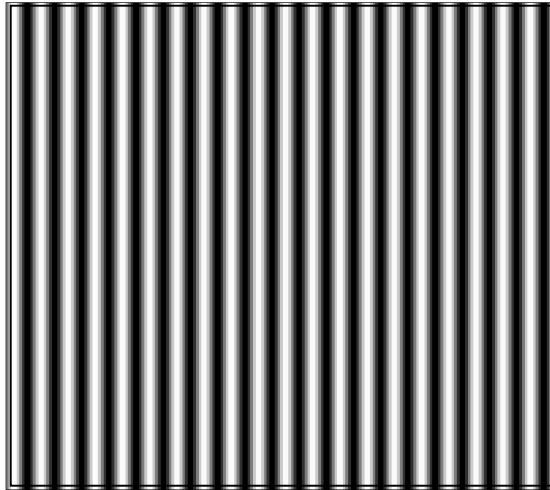


# **The spatial frequency domain**

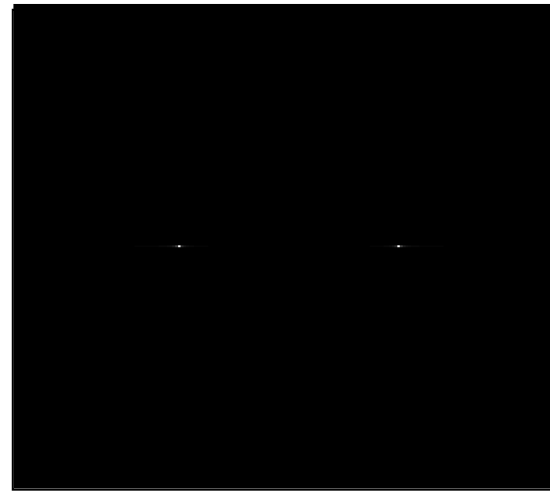
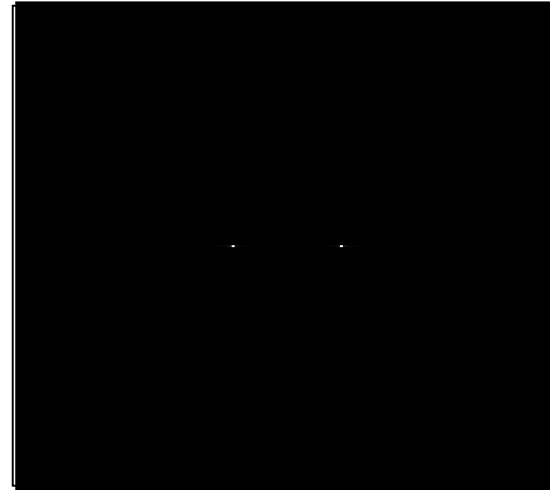
George Barbastathis

# Periodic Grating /1: vertical

Space  
domain

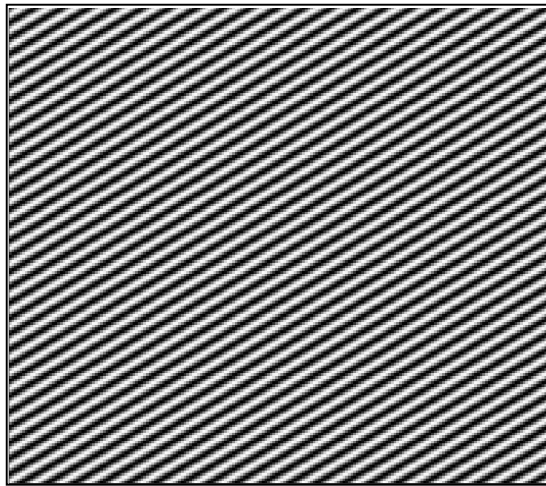
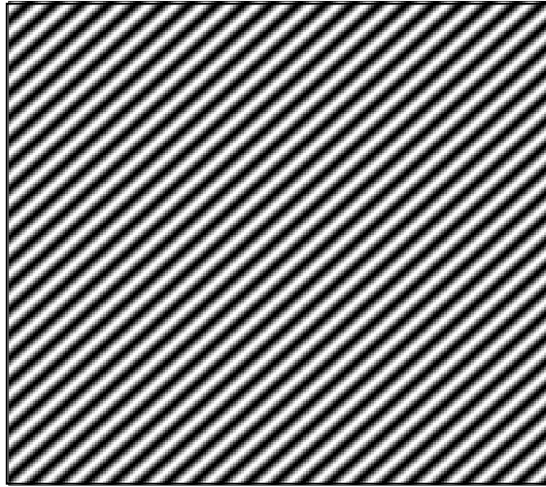


Frequency  
(Fourier)  
domain

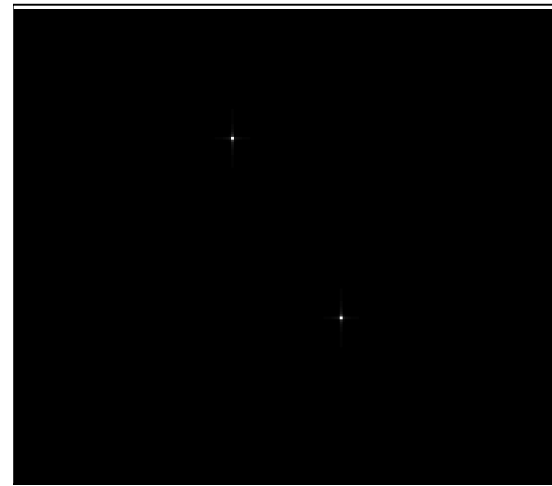
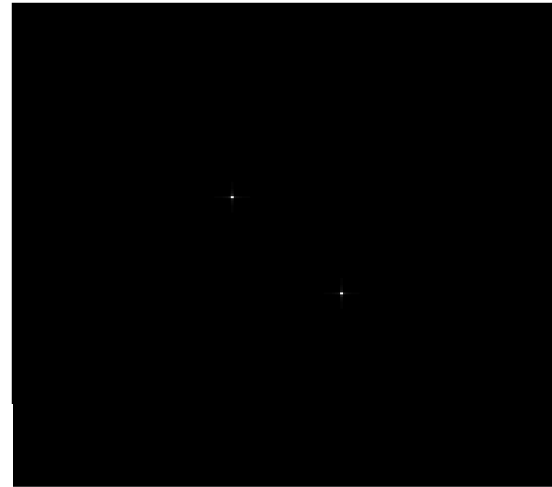


# Periodic Grating /2: tilted

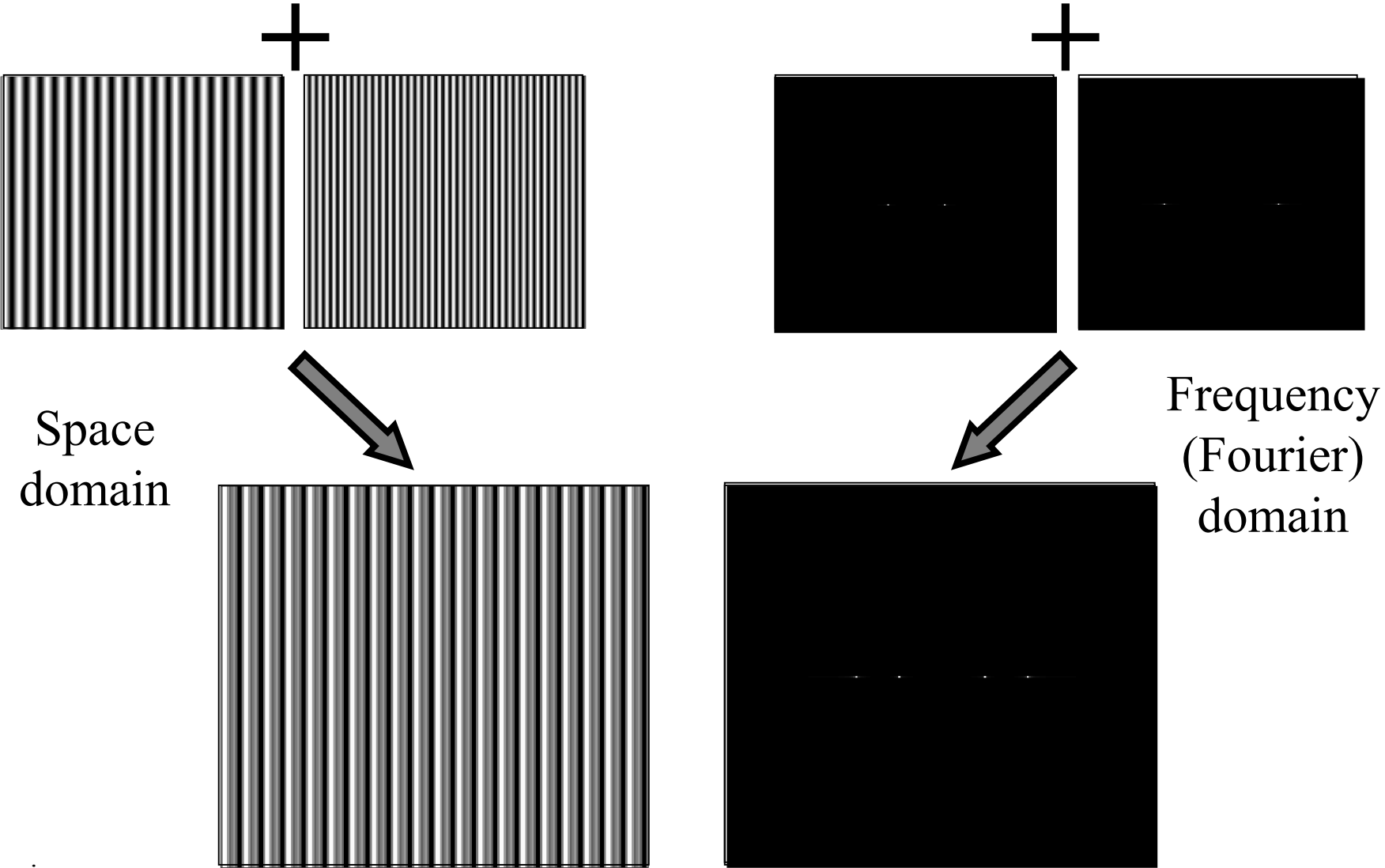
Space  
domain



Frequency  
(Fourier)  
domain

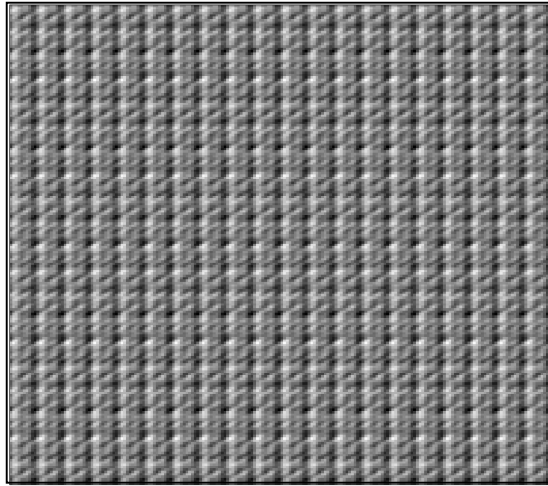


# Superposition: multiple gratings

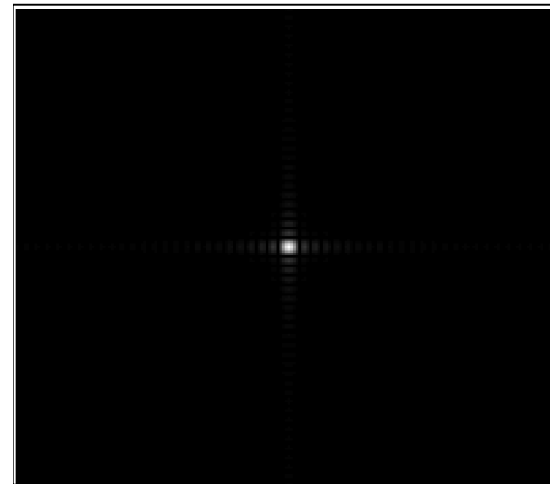
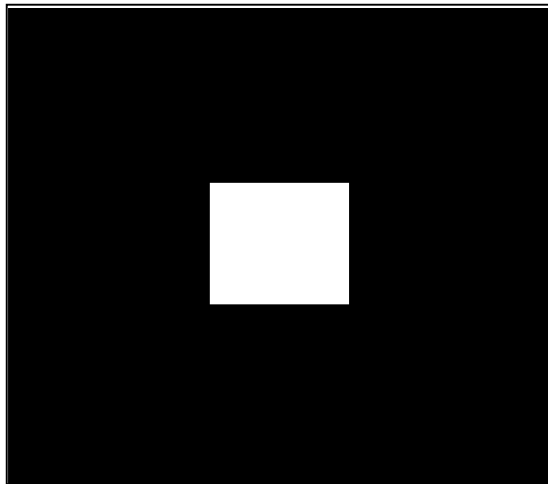
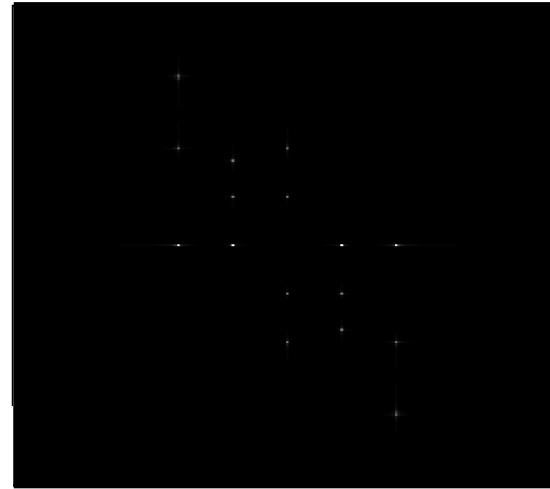


# More superpositions

Space  
domain

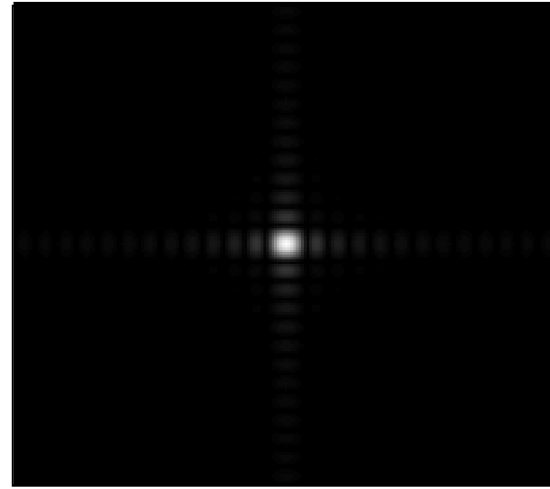
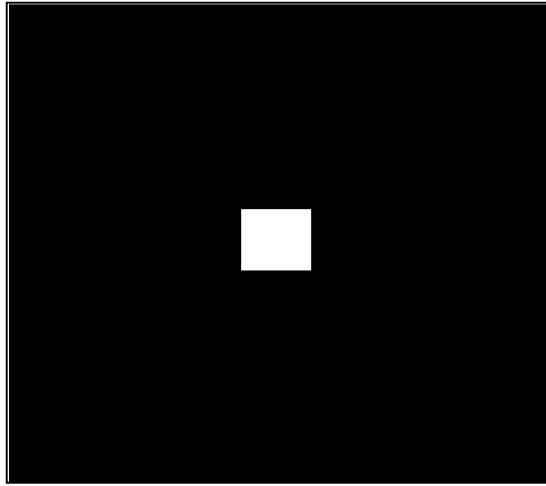


Frequency  
(Fourier)  
domain

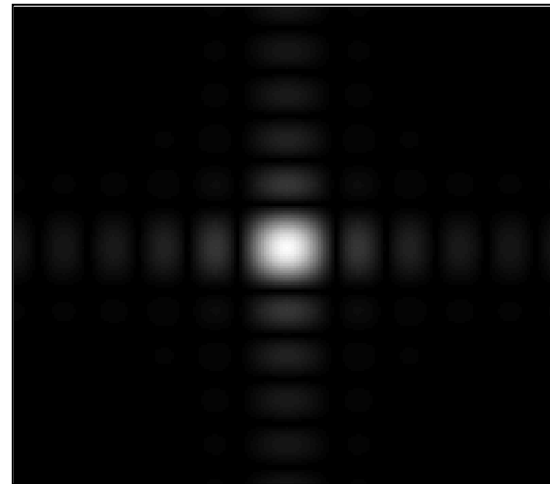
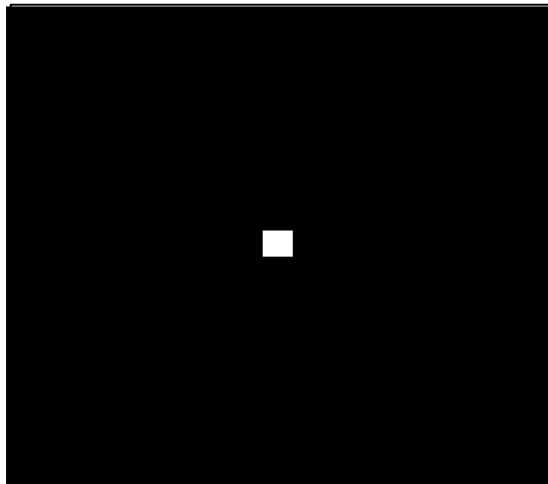


# Size of object *vs* frequency content

Space  
domain

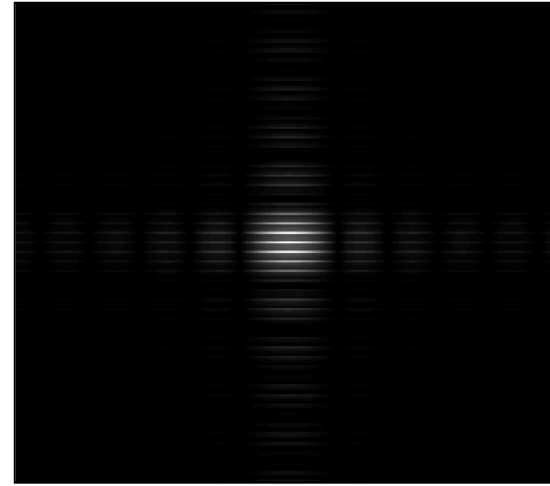
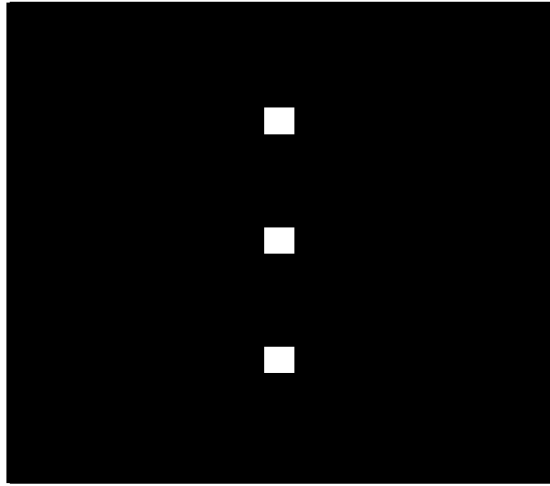


Frequency  
(Fourier)  
domain



# Superimposing shifted objects

Space  
domain



Frequency  
(Fourier)  
domain

