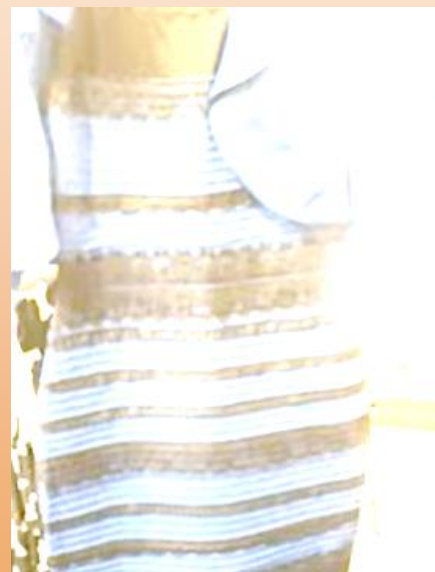
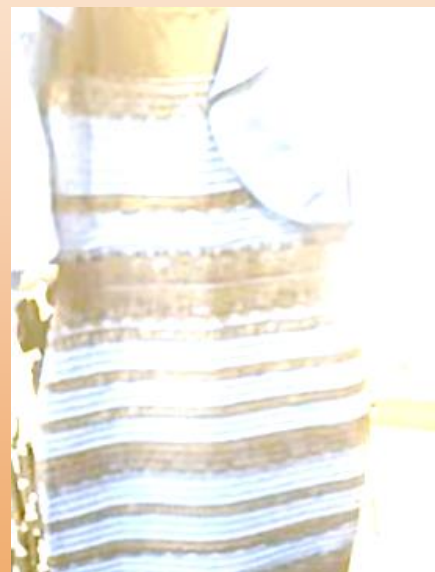


# Retinal sampling and aliasing: the role of visual illusion in contrast sensitivity

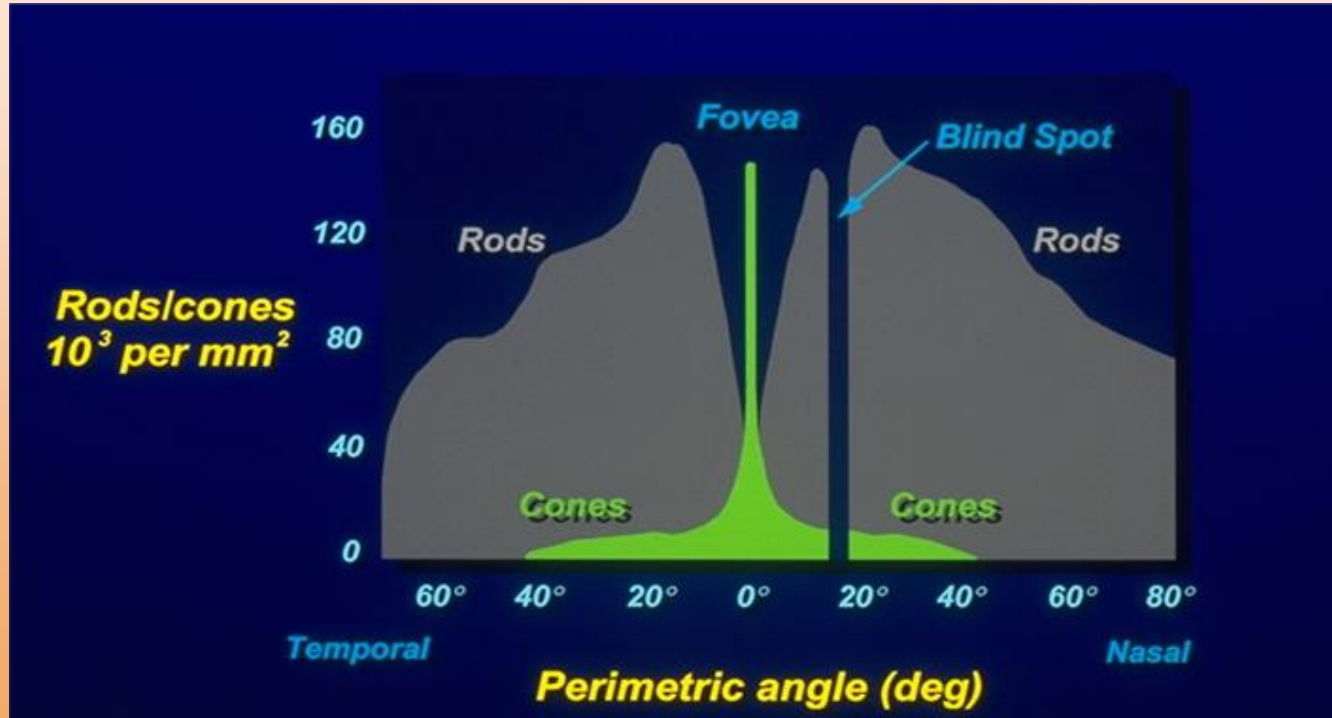
iLight Workshop  
24.05.2022

Noemi Spaziani

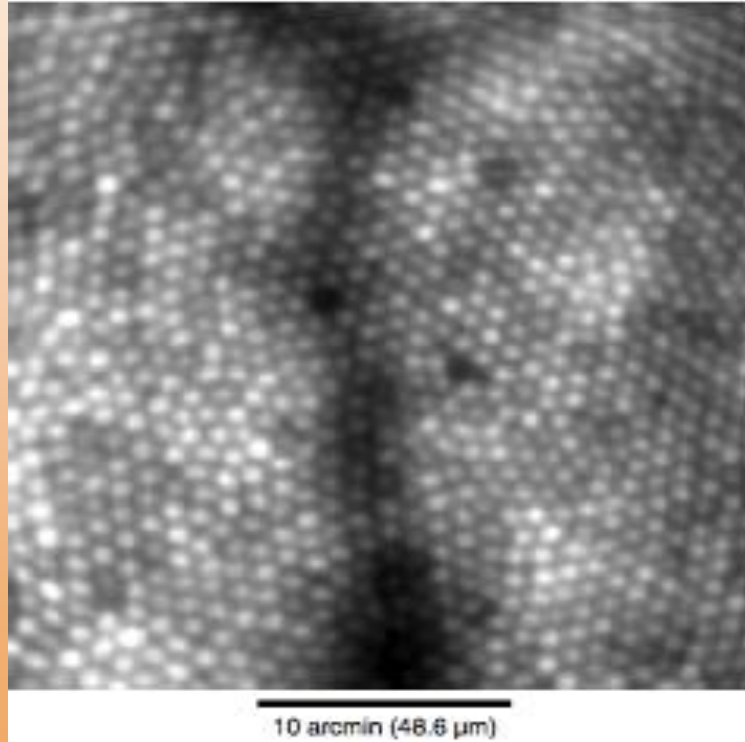




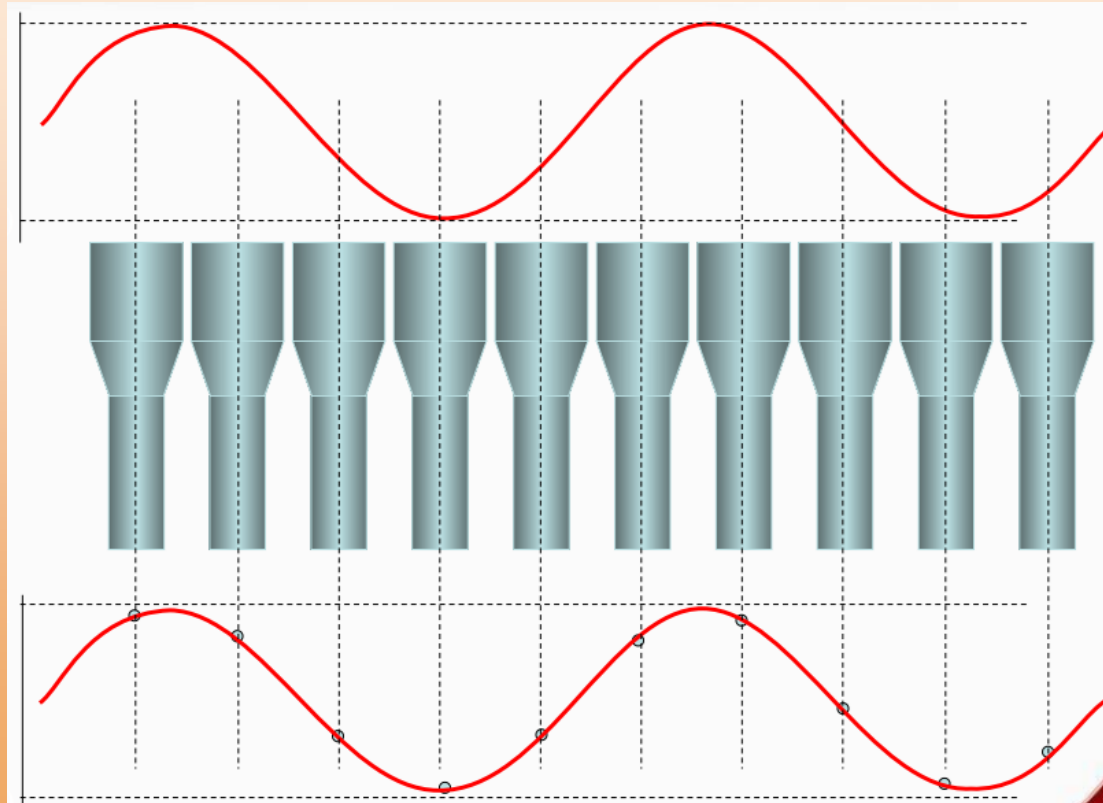
# Retinal distribution of rods and cones



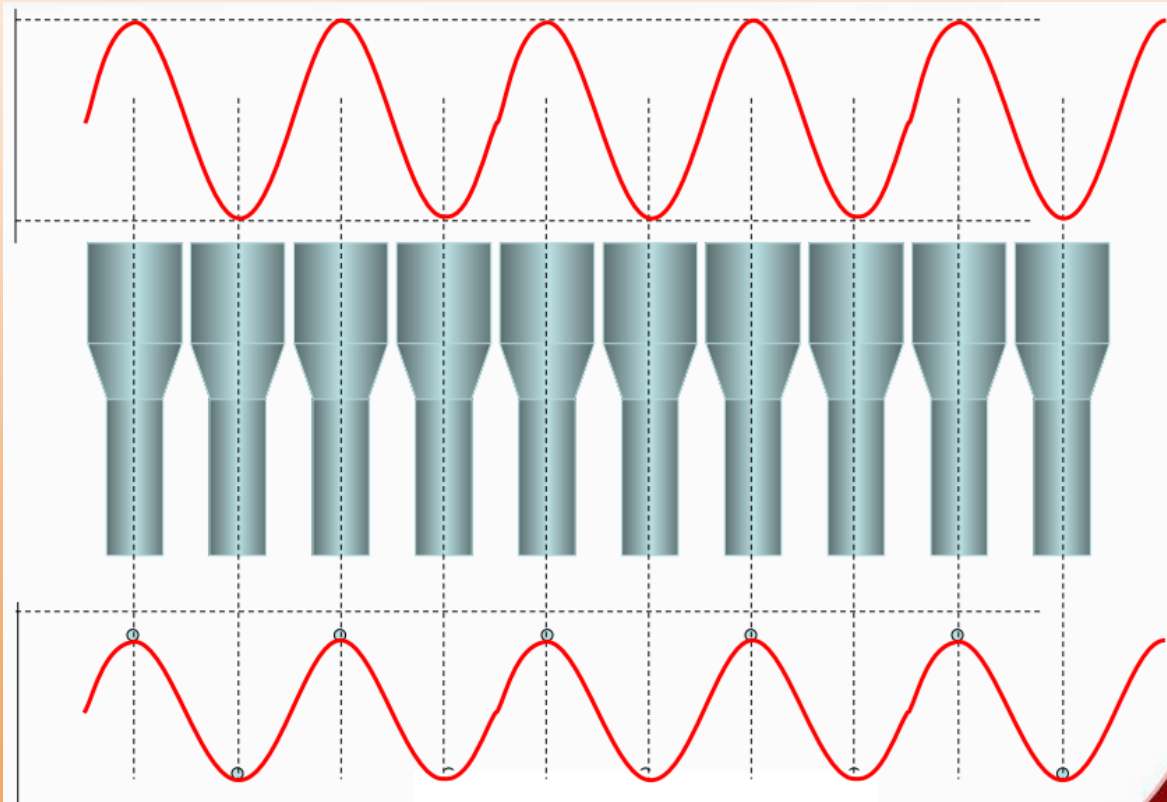
# Cones at 1° from fovea



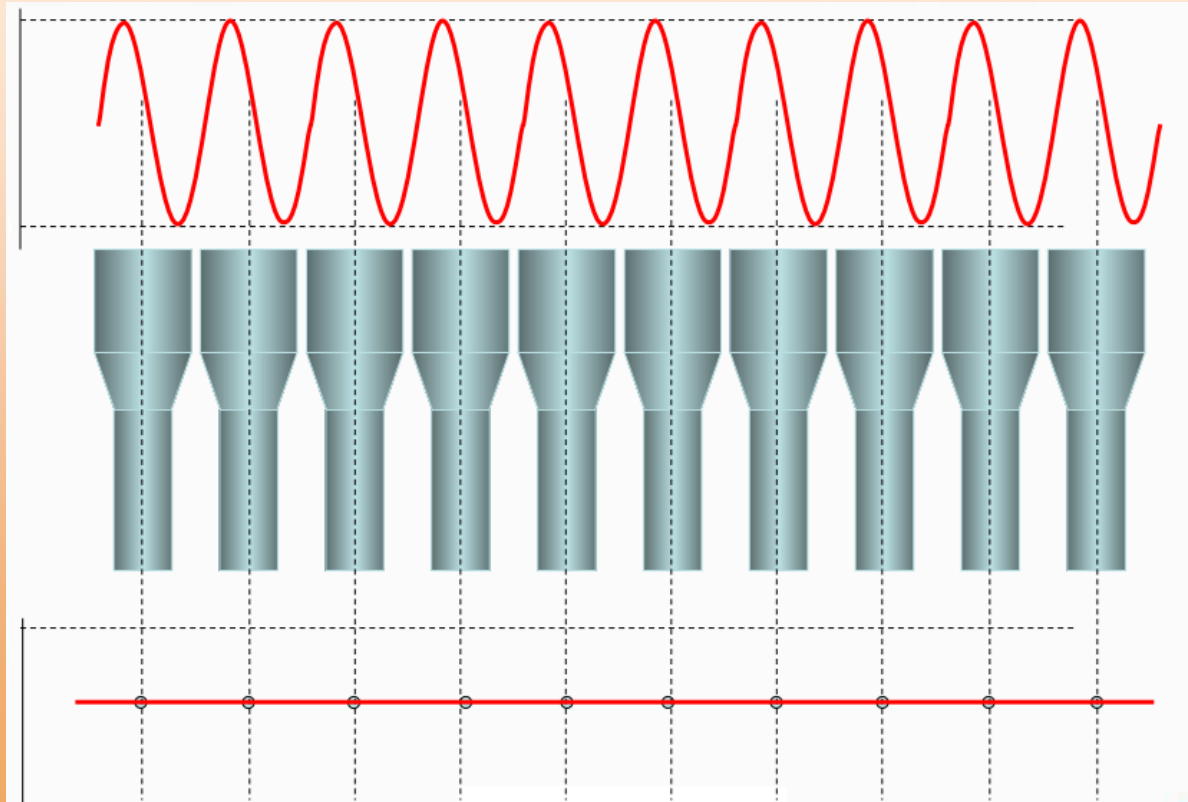
# Retinal sampling



# Retinal sampling

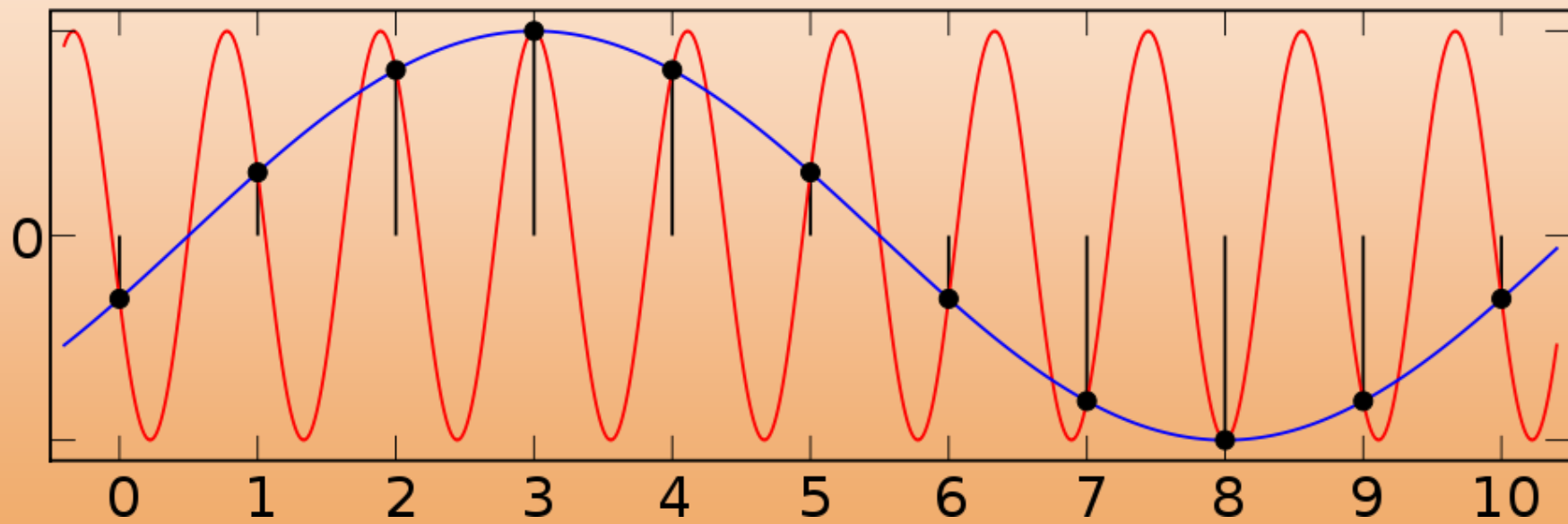


# Retinal sampling

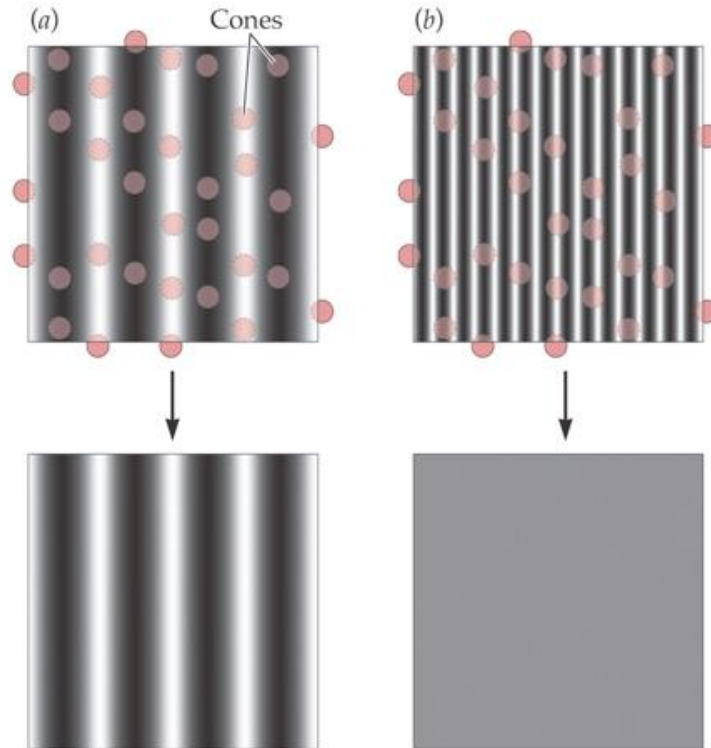




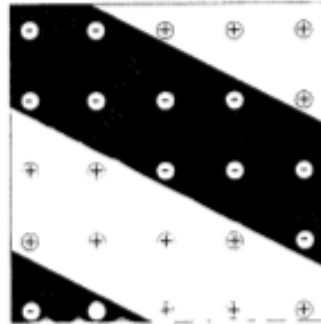
# Aliasing



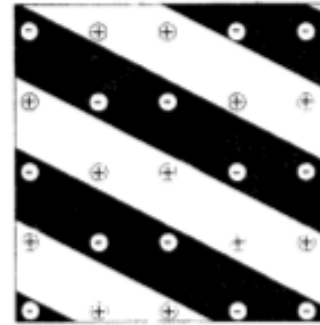
# Aliasing and 2D



# Another example of 2D aliasing



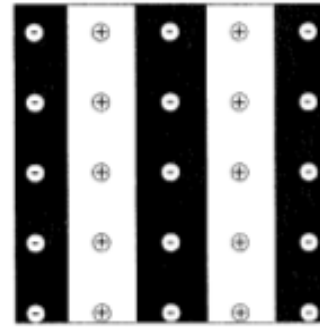
(a)



(b)

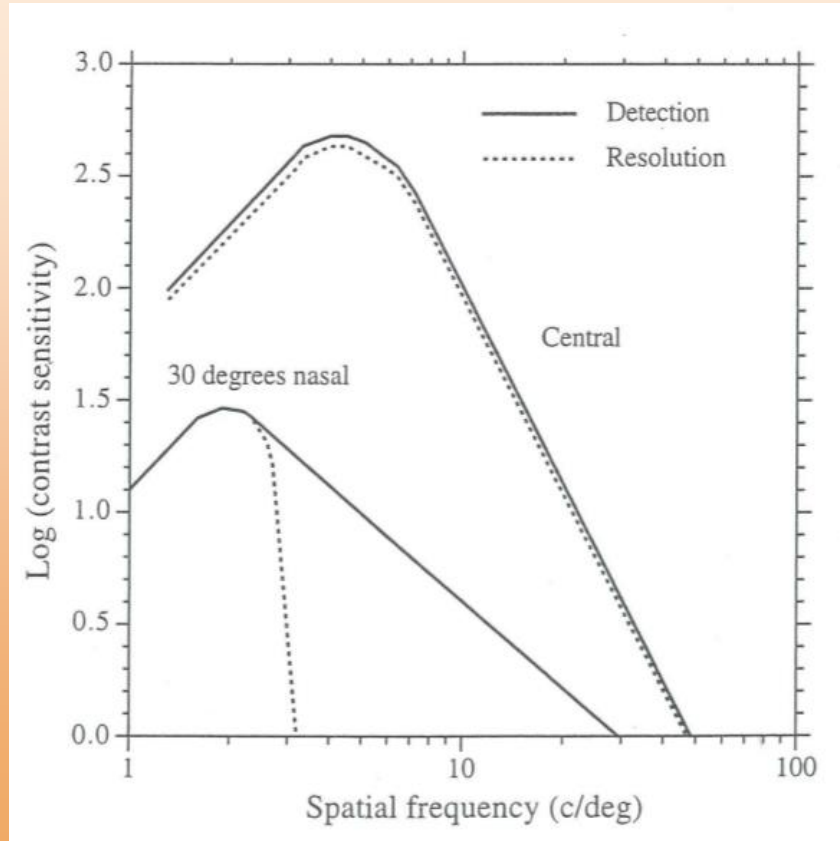


(c)

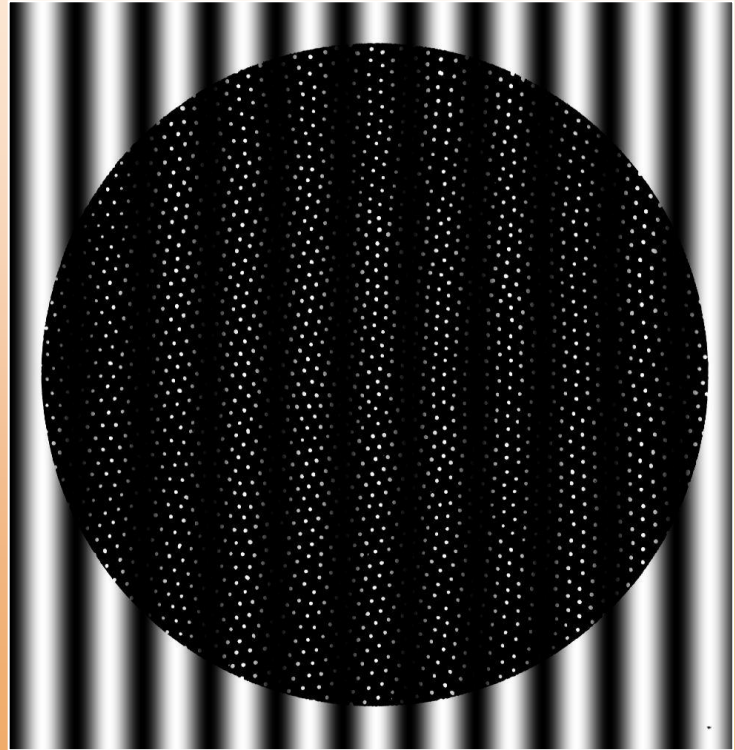
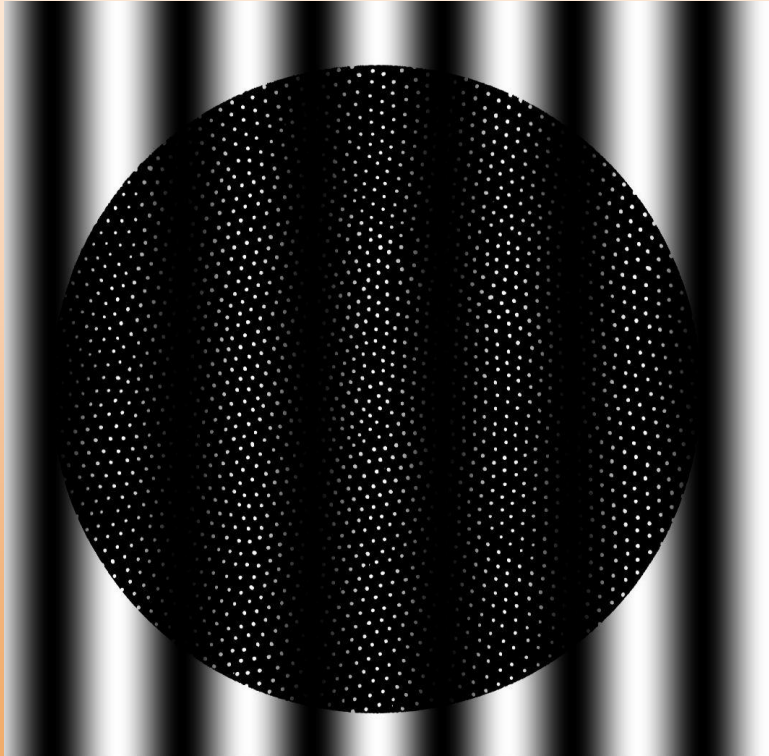


(d)

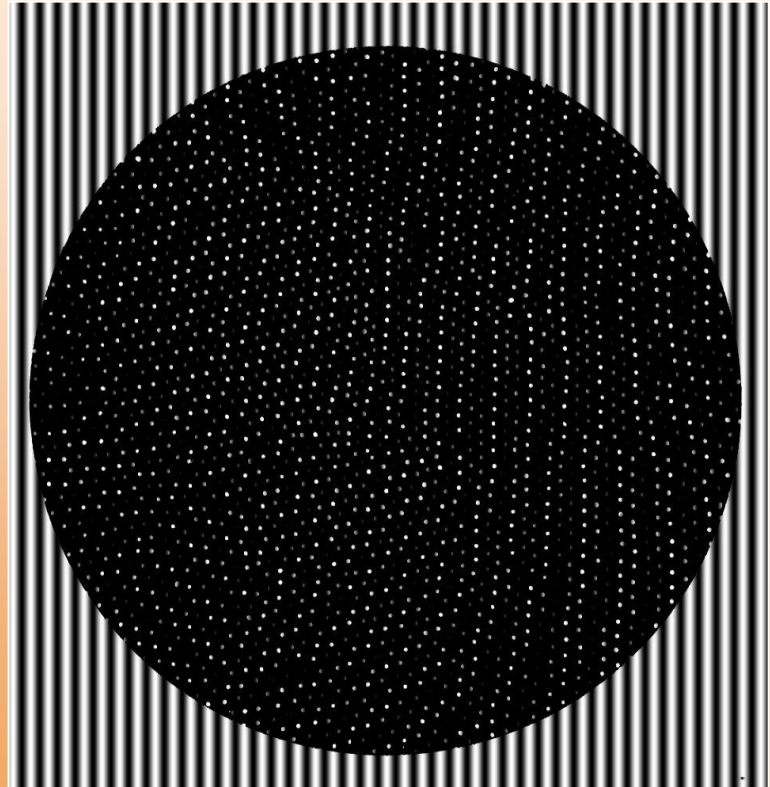
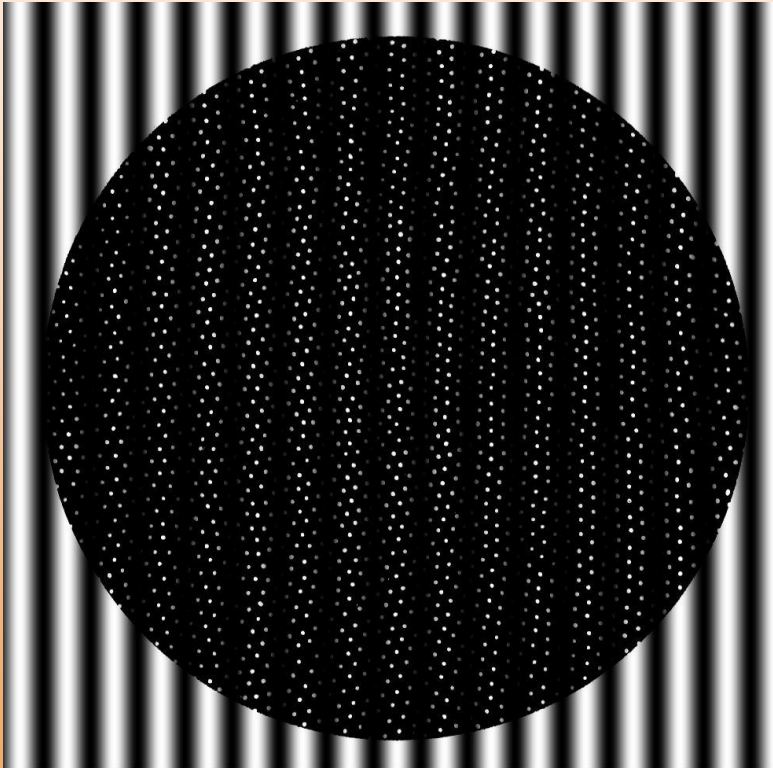
# Detection and resolution



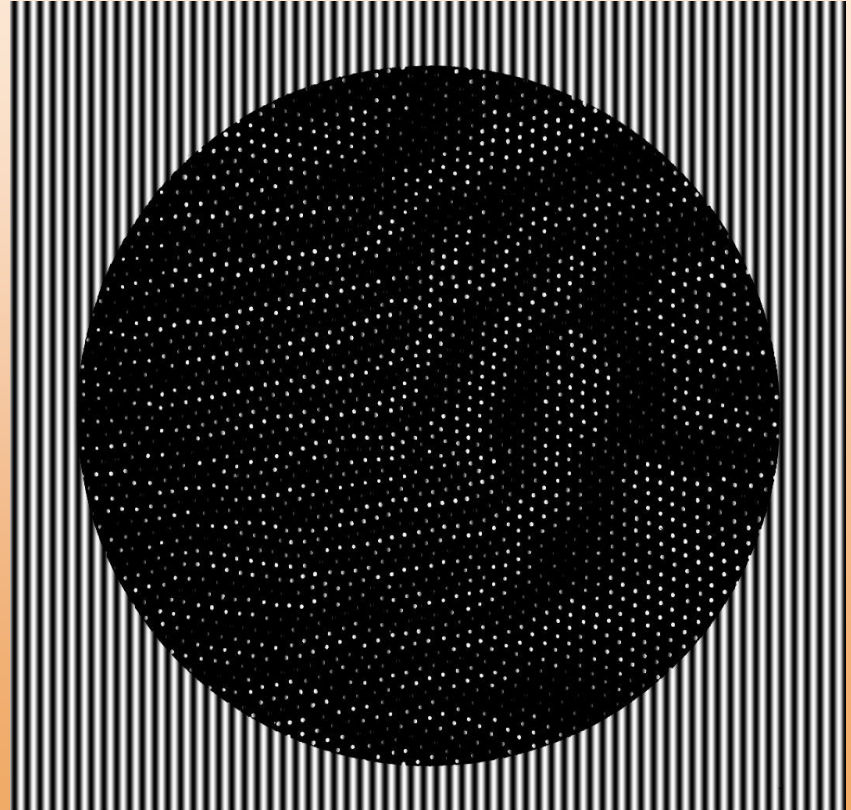
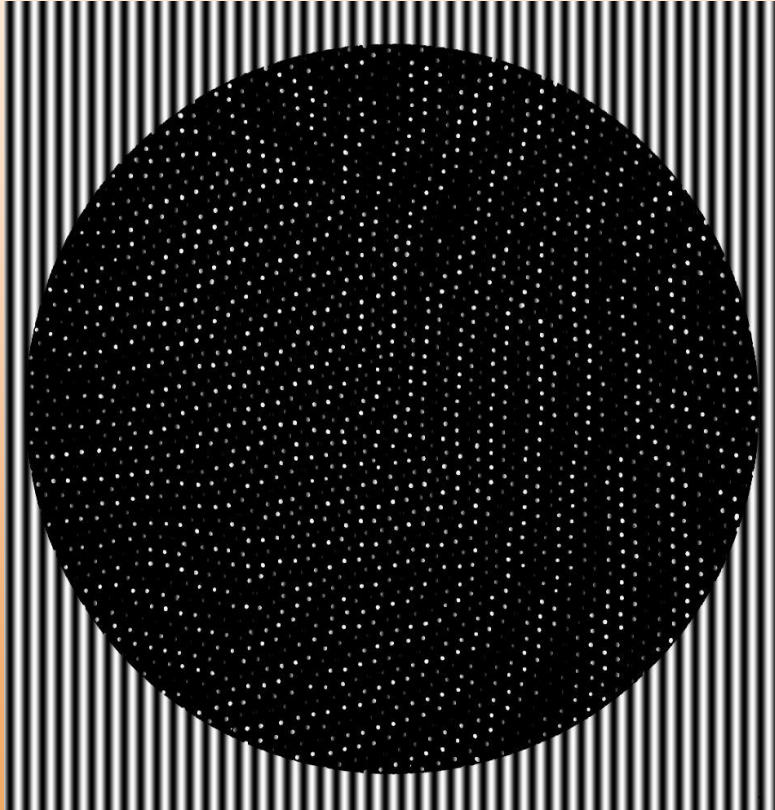
# Contrast sensitivity



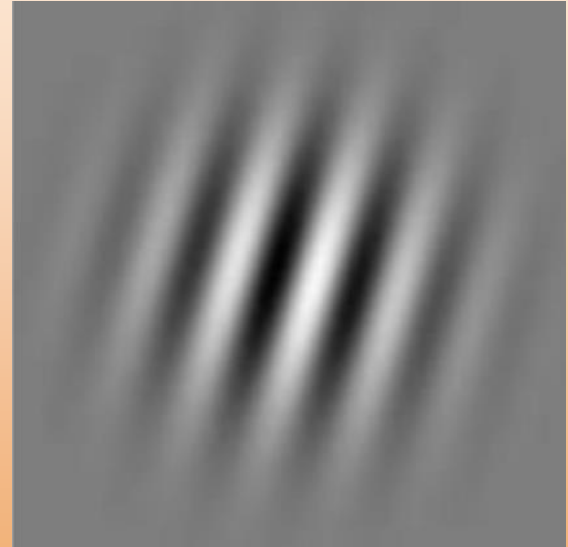
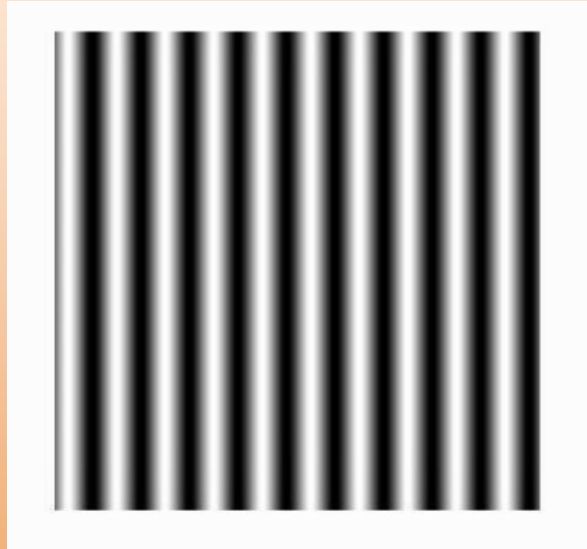
# Contrast sensitivity



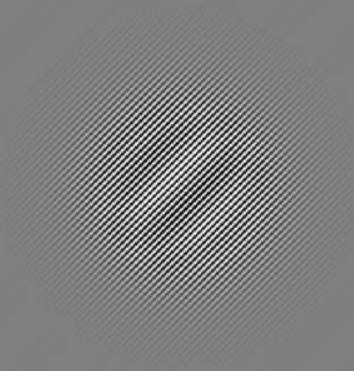
# Visual illusion or aliasing?



# Contrast sensitivity testing









***Thank you for your attention***