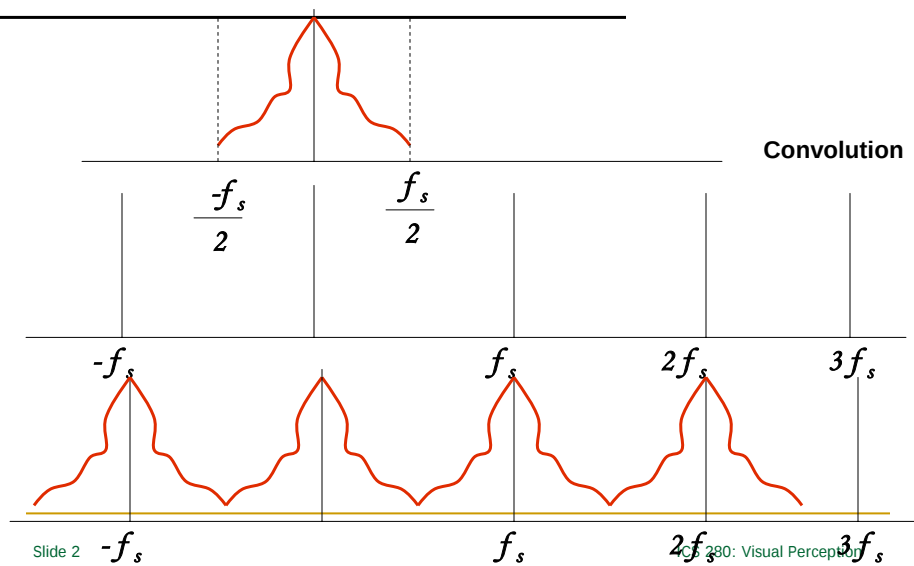


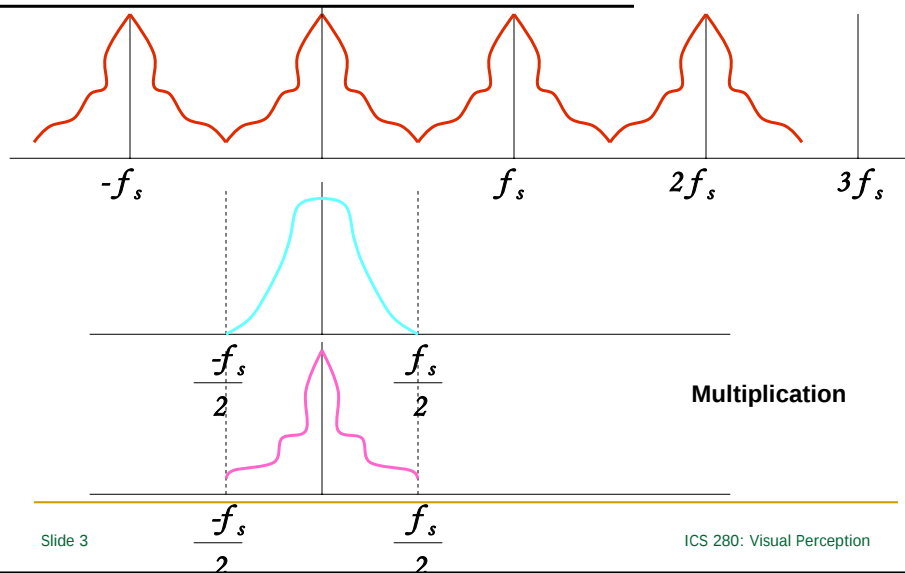
Sampling and Reconstruction

Digital Image Processing

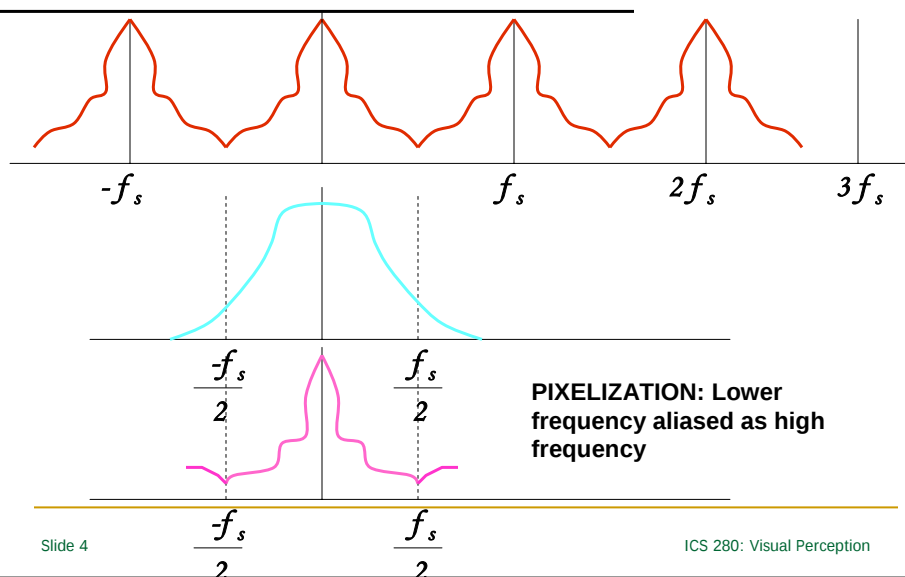
Sampling – Frequency Domain



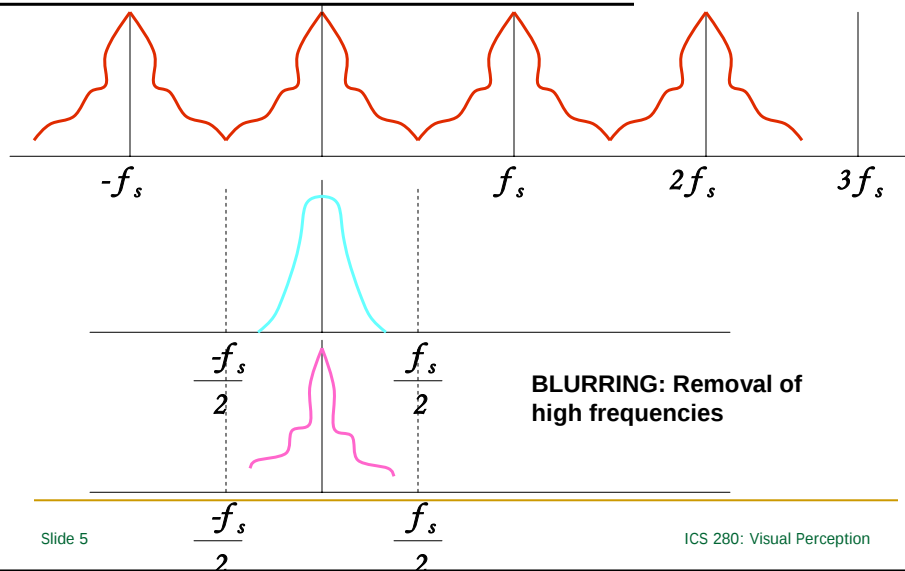
Reconstruction – Frequency Domain



Reconstruction (Wider Kernel)



Reconstruction (Narrower Kernel)



Aliasing artifacts (Right Width)



Wider Spots (Lost high frequencies)



Slide 7

ICS 280: Visual Perception

Narrow Width (Jaggies, insufficient sampling)



Slide 8

ICS 280: Visual Perception