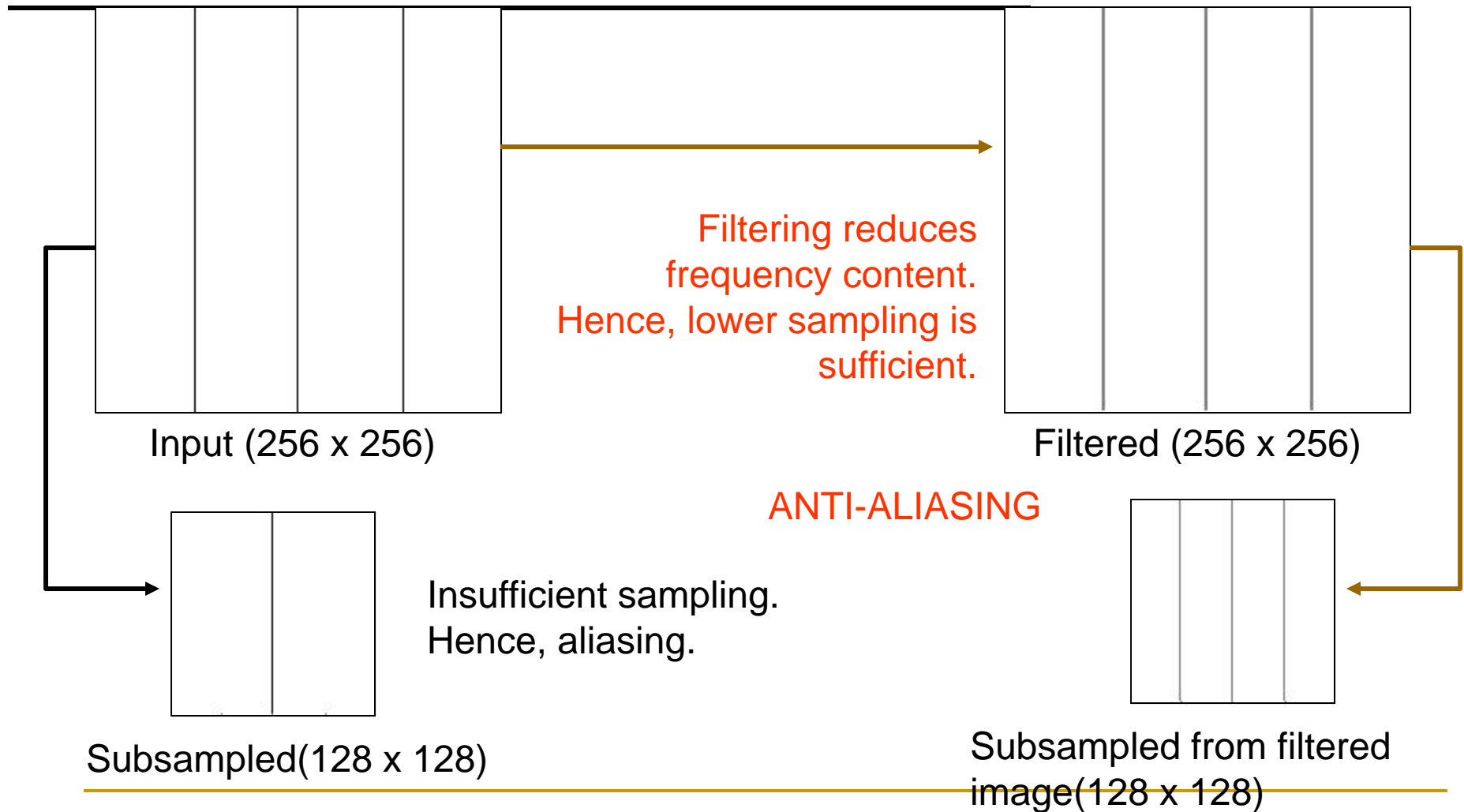
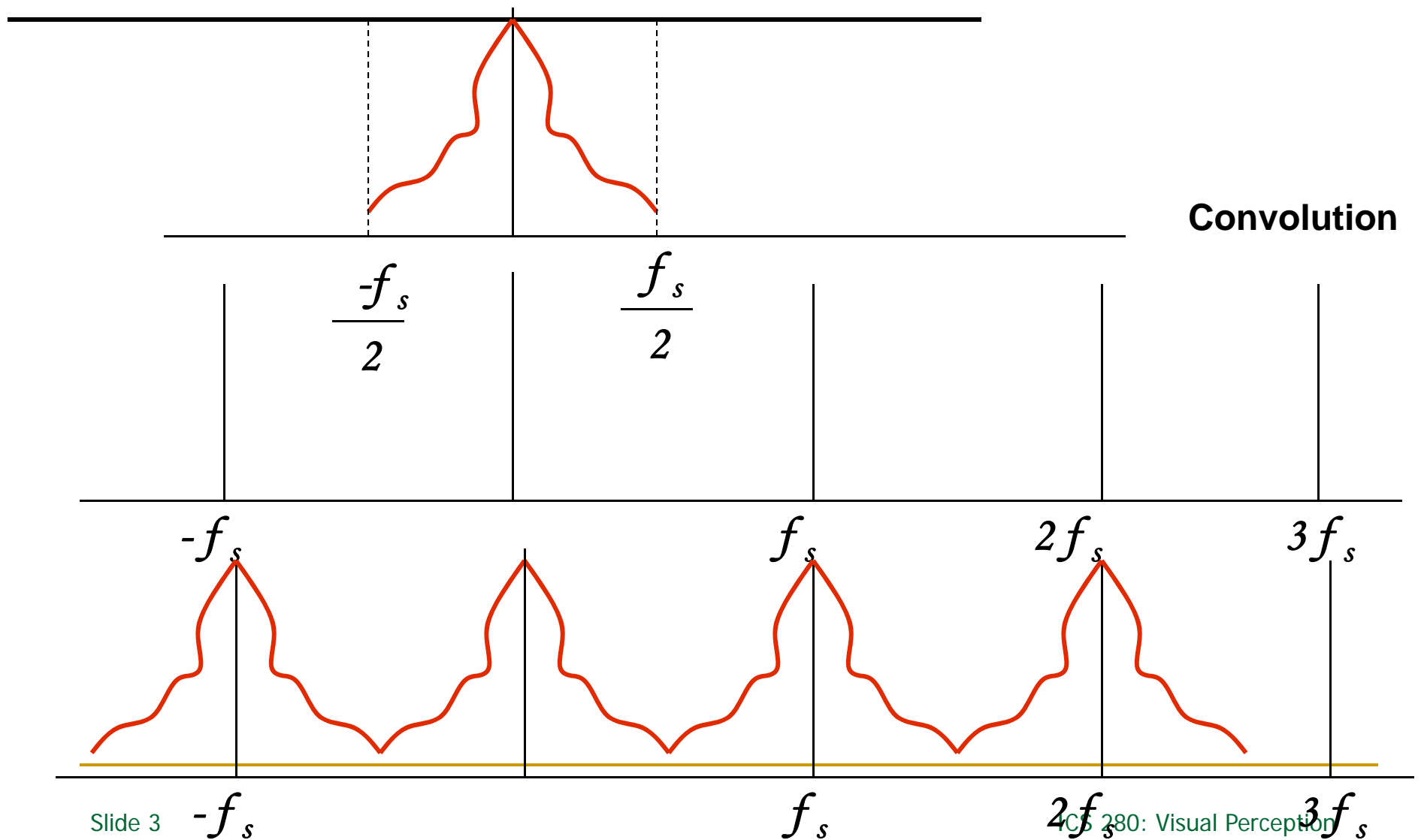

Sampling and Reconstruction

Digital Image Processing

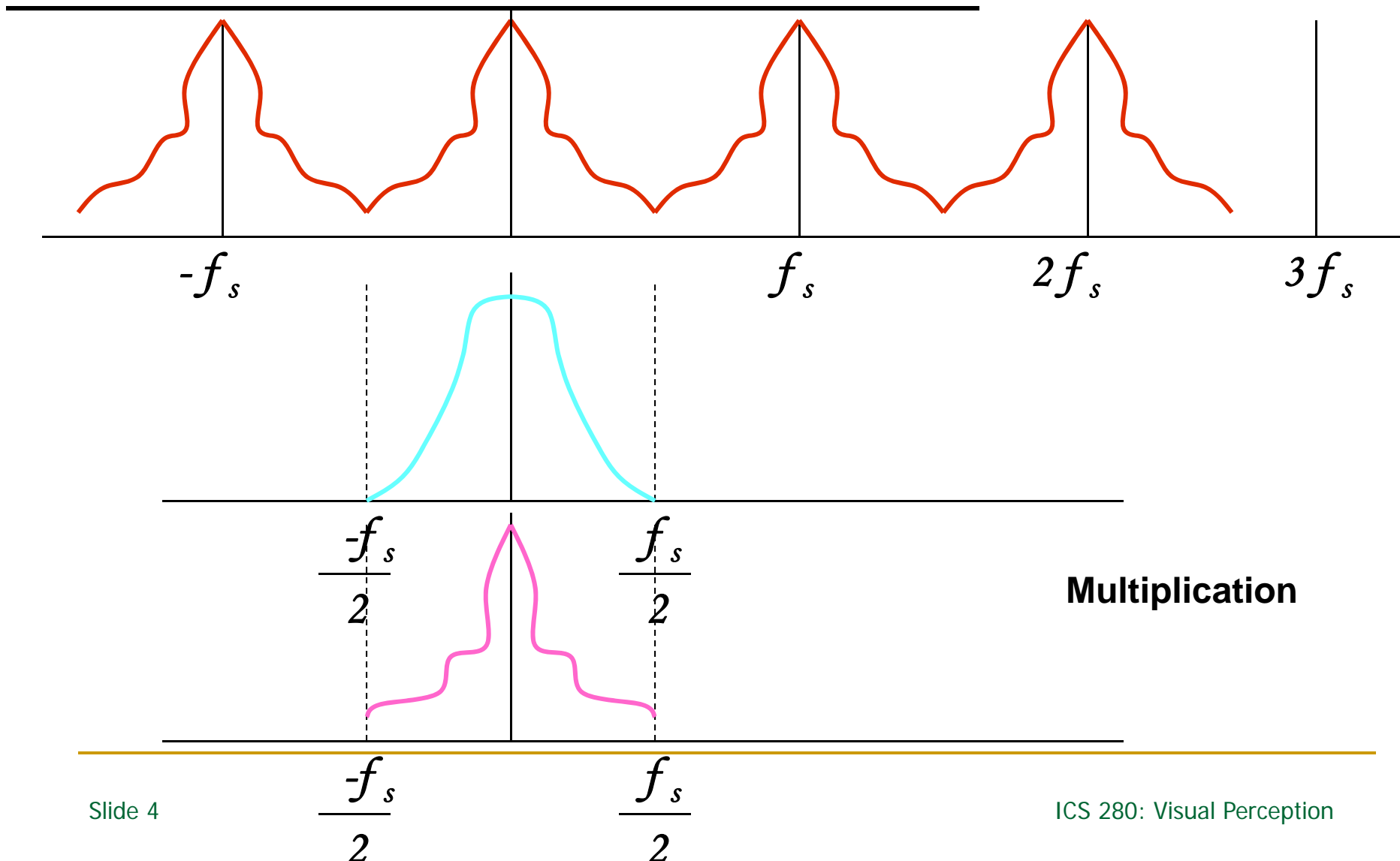
How does it help?



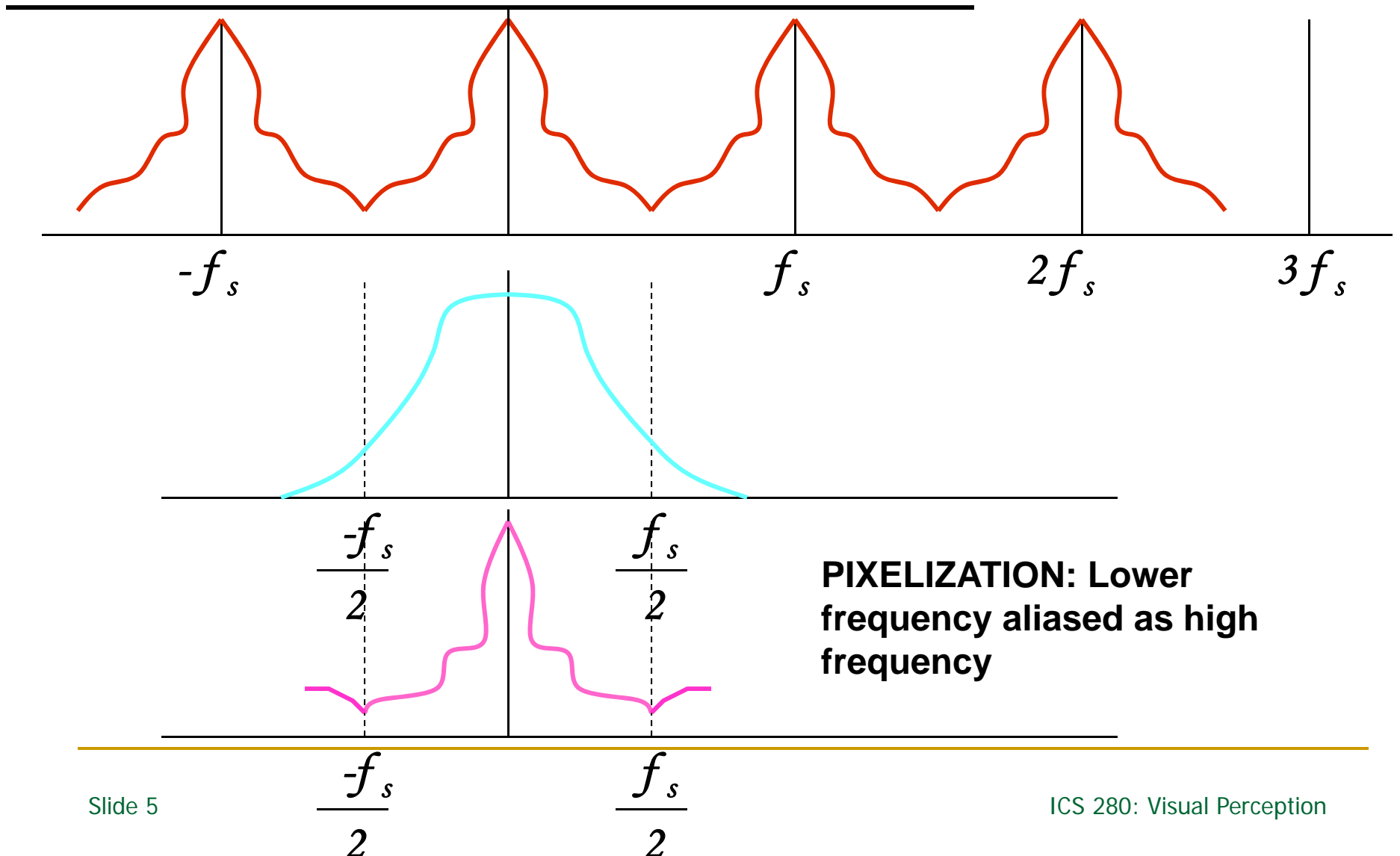
Sampling – Frequency Domain



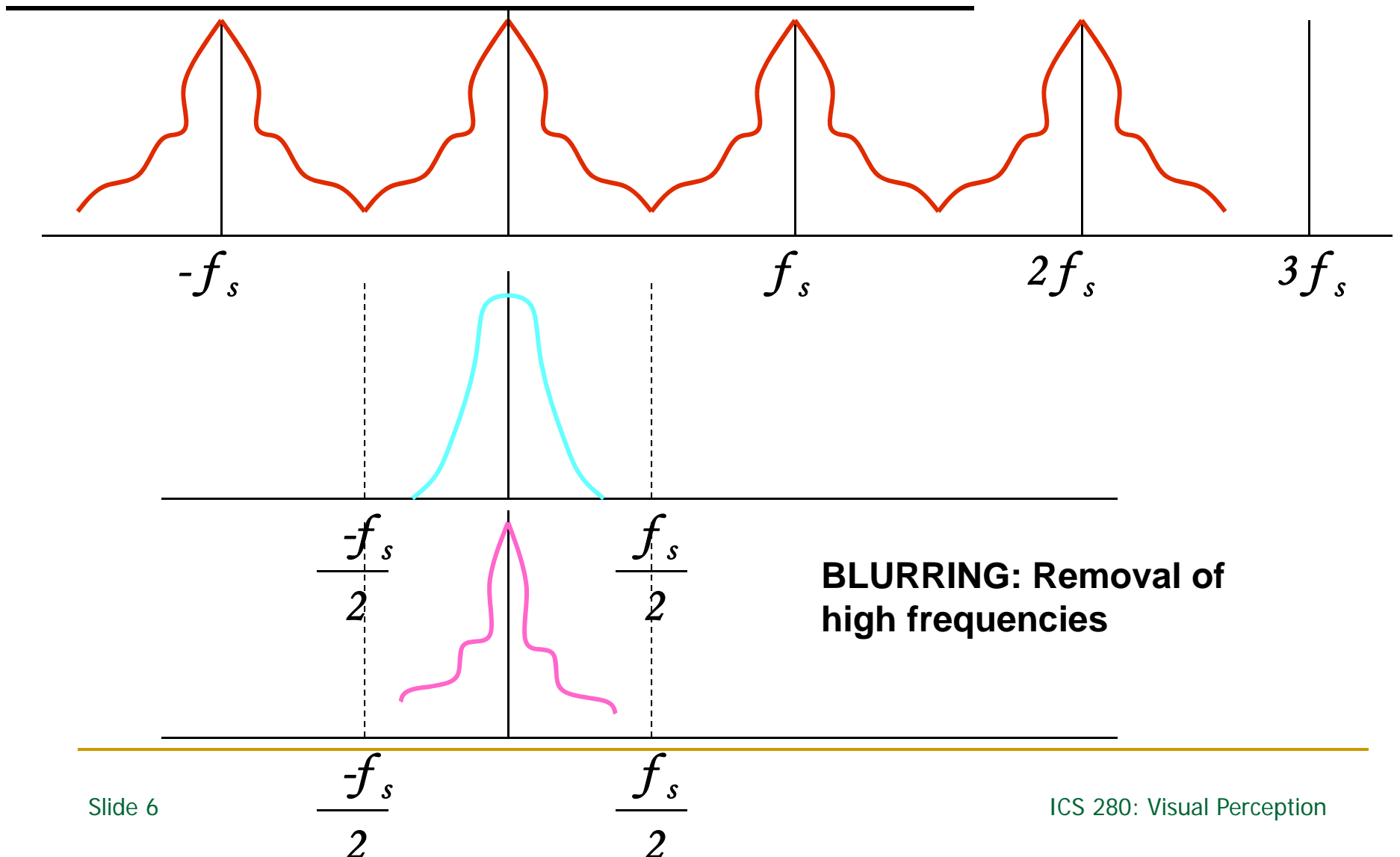
Reconstruction – Frequency Domain



Reconstruction (Wider Kernel)



Reconstruction (Narrower Kernel)



Aliasing artifacts (Right Width)



Wider Spots (Lost high frequencies)



Narrow Width (Jaggies, insufficient sampling)

