DIGITAL IMAGE PROCESSING

Image Enhancement in Frequency Domain: Session 3

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Today's Lecture

- Image Enhancement in Frequency Domain
 - Filtering in Frequency Domain

Image Enhancement in Frequency Domain 2-D Convolution Theorem









Image Enhancement in Frequency Domain 1-D Impulses and the Shifting Property: Continuous

Image Enhancement in Frequency Domain

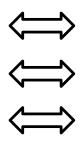
1- D Impulses and the Shifting Property: Discrete

Image Enhancement in Frequency Domain 2-D Impulses and the Shifting Property: Continuous

Image Enhancement in Frequency Domain 2-D Impulses and the Shifting Property: Discrete

Image Enhancement in Frequency Domain

Image Enhancement in Frequency Domain



- 1. Both components are Gaussian and real
- 2. The functions behave reciprocally

High-pass filter or low-pass filter?

Next Class

- ☐ Image Enhancement in Frequency Domain
 - ☐ Filtering in Frequency Domain

Thank you: Question?