



Image Processing

COS 426

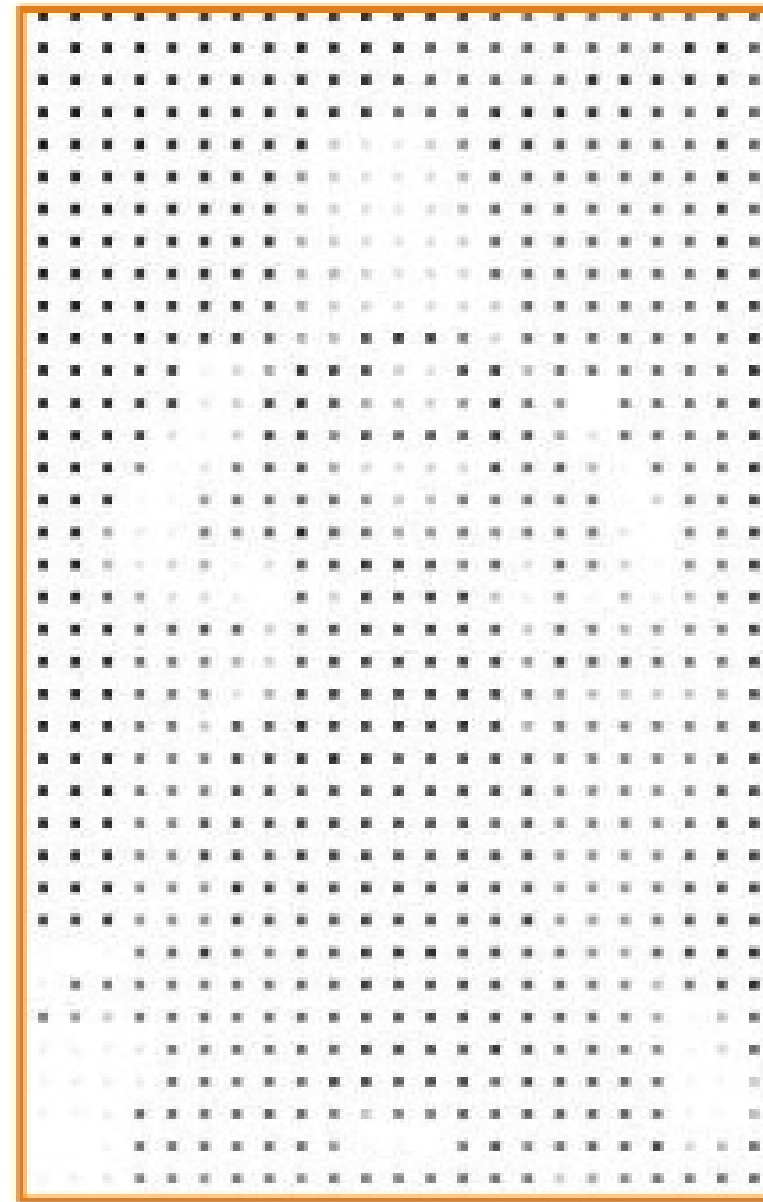


What is a Digital Image?

A digital image is a discrete array of samples representing a continuous 2D function



Continuous function



Discrete samples



Limitations on Digital Images

- Spatial discretization
- Quantized intensity
- Approximate color (RGB)
- (Temporally discretized frames for digital video)