

Image compression

Objective: To reduce the amount of data required to represent an image.

Important in data storage and transmission

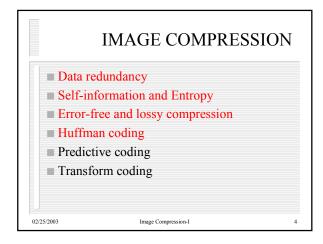
• Progressive transmission of images (internet, www)

• Video coding (HDTV, Teleconferencing)

• Digital libraries and image databases

• Medical imaging

• Satellite images



Lossy vs Lossless Compression Compression techniques Lossy Information preserving (loss-less) Perfect recovery is not Images can be compressed possible but provides a and restored without any loss large data compression. of information. Example: TV signals, Application: Medical images, teleconferencing GIS 02/25/2003 Image Compression-I

