

Comparison of image compression algorithms

ECE-533

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Five Different Formats

FORMAT	NAME	CHARACTERISTICS
BMP	Windows bitmap	Uncompressed format
TIFF	Tagged Image File Format	Lossless: Document scanning and imaging format. Flexible: LZW, CCITT, RLE.
PNG	Portable Network Graphics	Lossless: improve and replace GIF, superior to TIFF
JPEG	Joint Photographic Experts Group	Lossy: big compression ratio, good for photographic images
JPEG 2000	Joint Photographic Experts Group 2000	Lossy: eventual replacement for JPEG

Lossless (24 bit color)



BMP 696 KB



TIFF-LZW 378KB



PNG 258KB



JPEG 43,3KB