

























- Each block of 64 pixels is expressed as linear combination of the 64 tiles shown on the right
- Compression level is based on which coefficients are thrown away (from lower-right to upper-left)
- Explains JPEG/MPEG errors result in "blockish" errors in
- 13 image frames







Comparison of Compression Sizes

Storage	Compression	Simpsons	Kauai
BMP	None	341 KB	3,073 KB
PCX	RLE	171 KB	2,732 KB
GIF	RLE + LZ	142 KB	374 KB
JPG	Lossy	75 KB	142 KB

- RLE works well on "cartoonish" figures, not on photos
- LZ algorithms dramatically improve photos
- JPG is always best (but lossy)
- Interesting that both photos reduce to similar order entire magnitude sizes in JPG (they start off vastly different) Georgia Interesting that both photos reduce to similar order-of-















