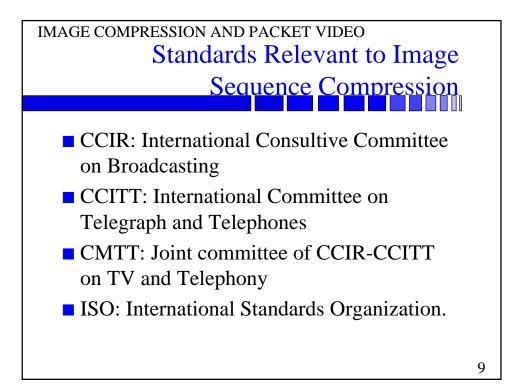
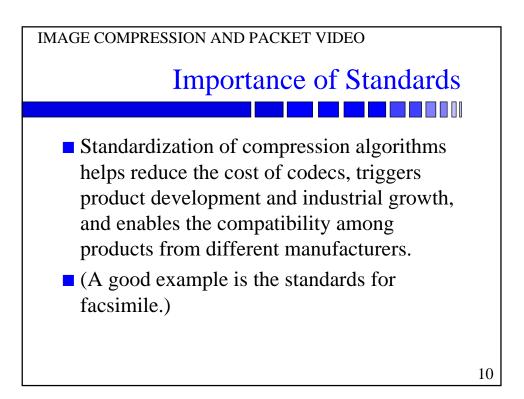
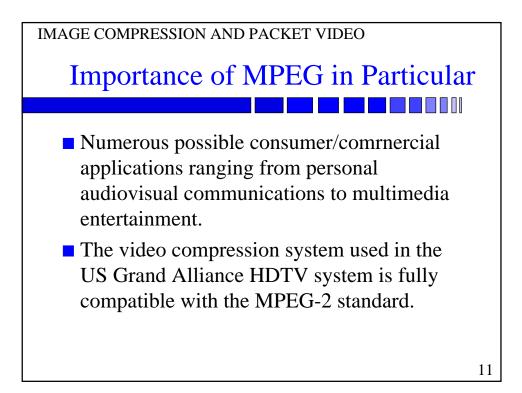


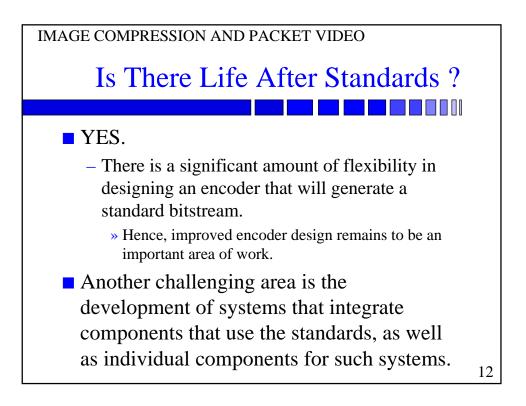
IMAGE COMPRESSION AND PACKET VIDEO Standards Relevant to Image Sequence Compression								
Standard	Description							
Activity								
JPEG	Joint (CCITT-ISO) Photographic Expert Group;							
	Primarily designed for still images;							
	Applicable to intraframe coding of sequences							
	(standardized in 1993).							
H.261	Recommendation of CCITT Expert Group on							
	Visual Telephony;							
	Designed for ISDN applications at							
	p x 64 kbits/sec ($p = 1, 2,, 30$);							
	(standardized in December 1990). 7							

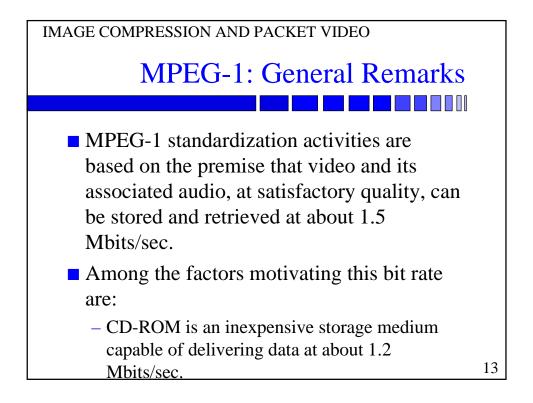
IMAGE COMPRESSION AND PACKET VIDEO Standards Relevant to Image									
Sequence Compression									
Standard	Description								
Activity									
MPEG	ISO Moving Picture Expert Group								
	MPEG 1: Storage and retrieval of video + audio								
	at about 1.5 Mbits/sec;								
	(International Standard status.).								
	MPEG 2: Storage and retrieval of video + audio								
	at higher bit rates.								
	(International Standard status in November 1994)								
	MPEG 4: Video & Audio compression at very low								
	data rates (from 4800 baud) (Final Date 11/98) 8								

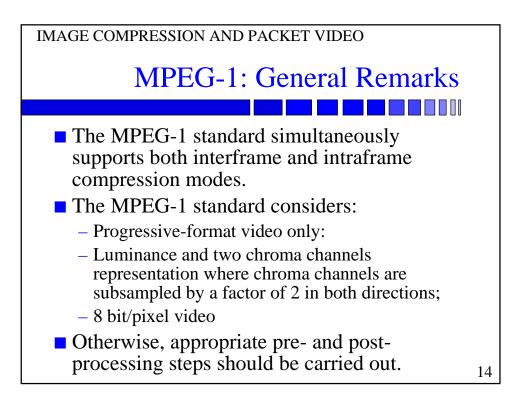


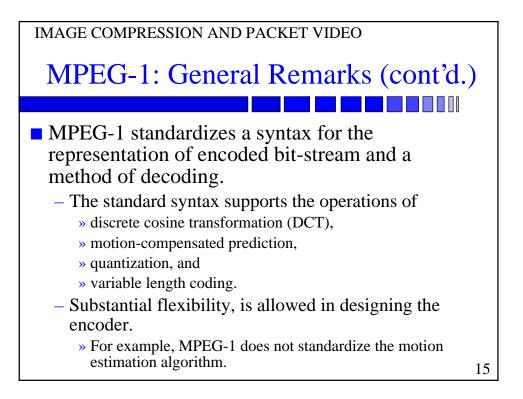


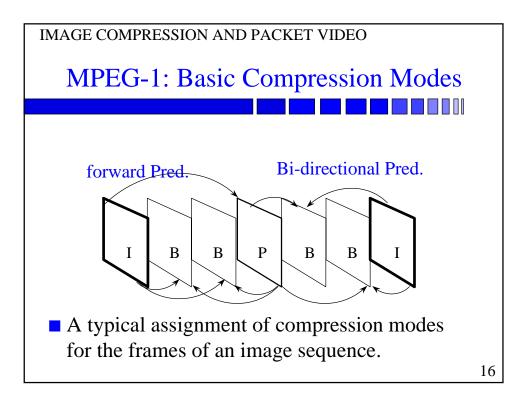


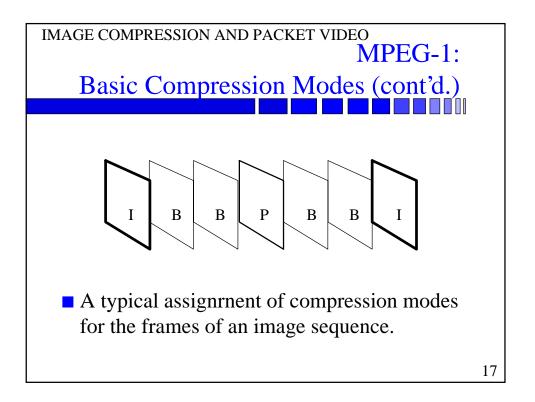


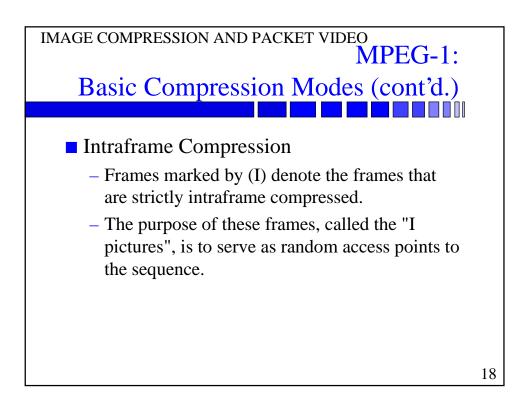


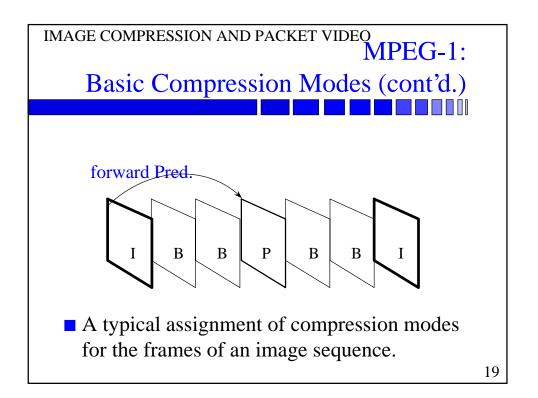


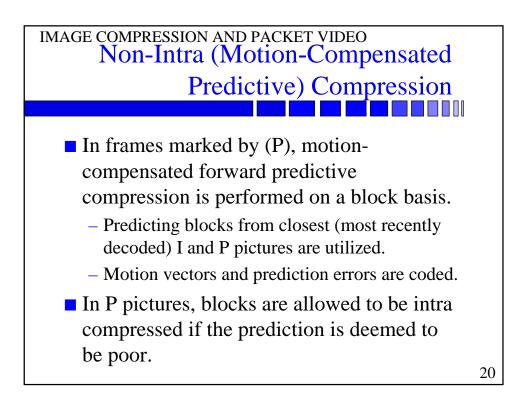


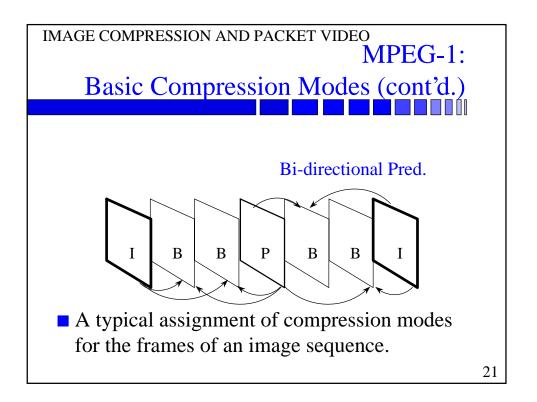


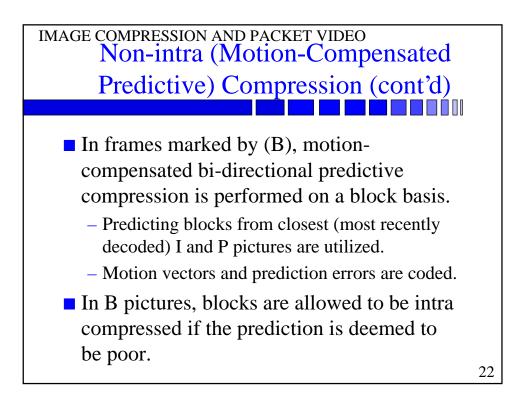


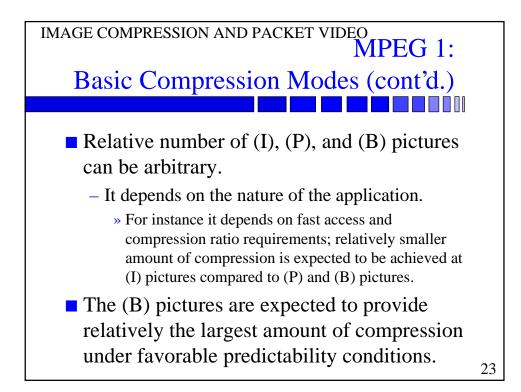


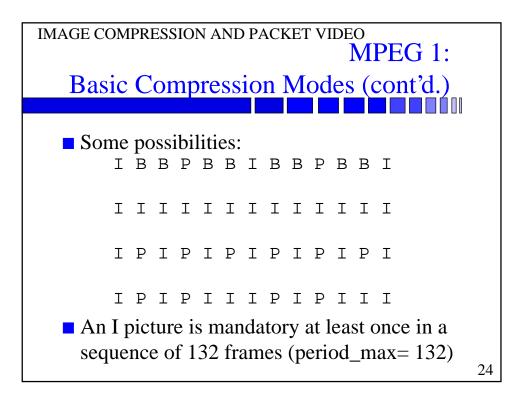


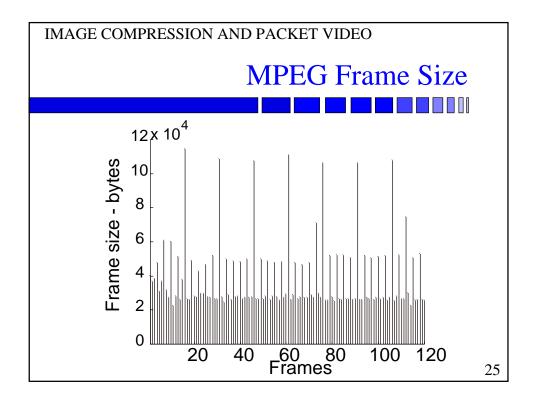


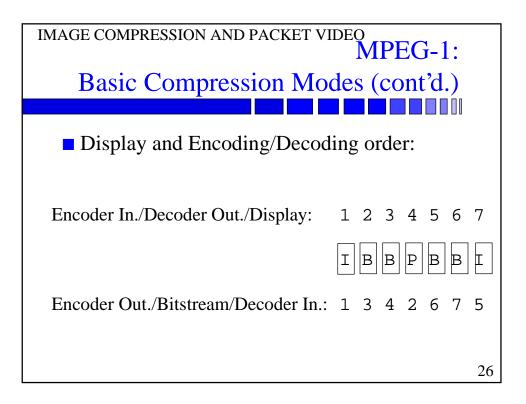


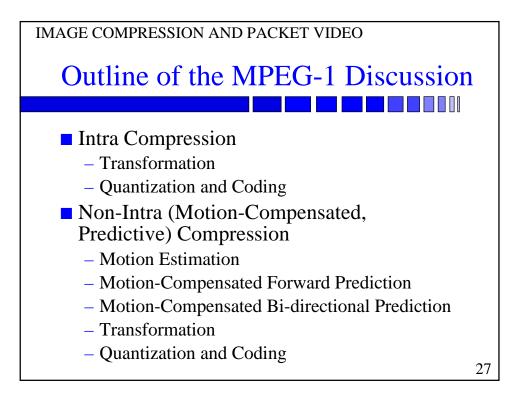


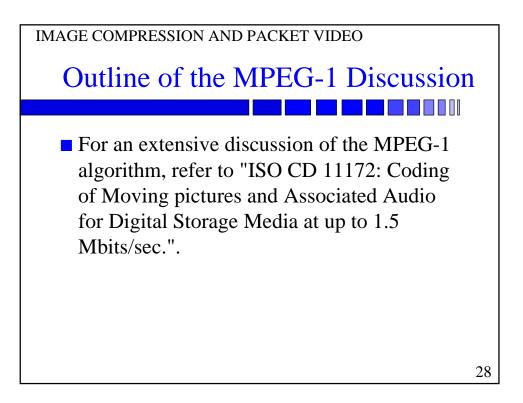


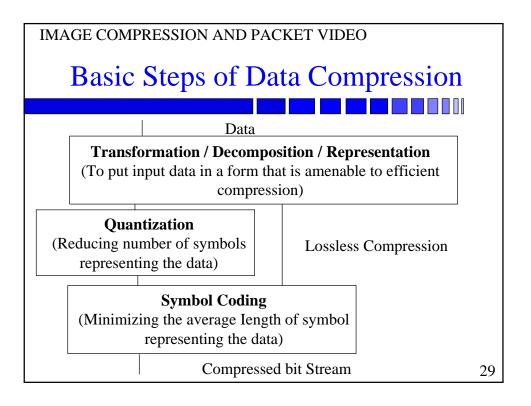


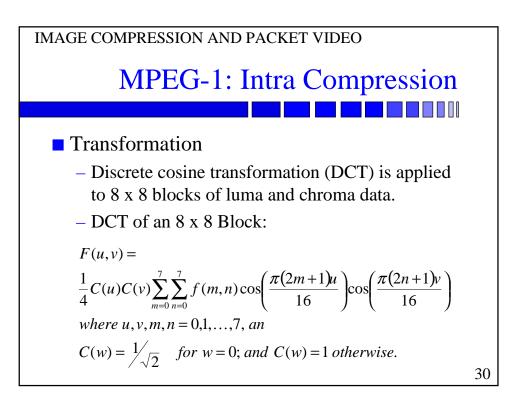


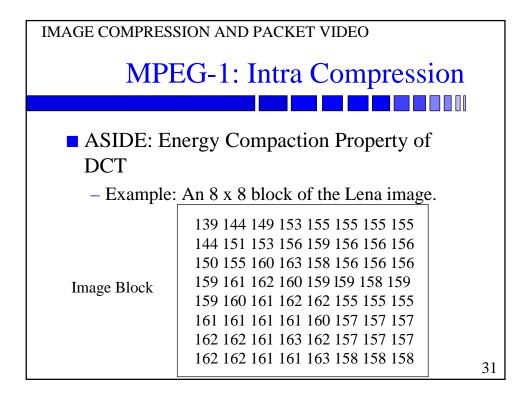


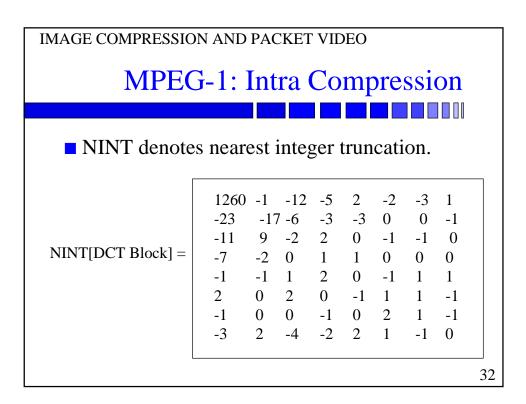


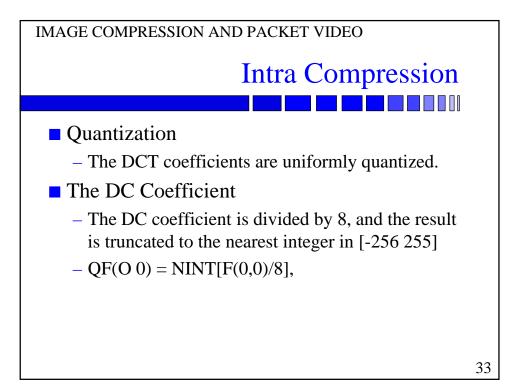


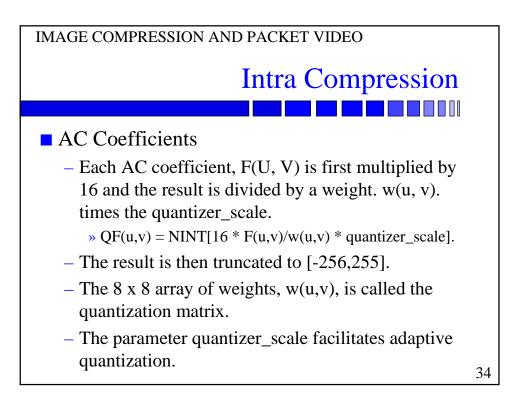












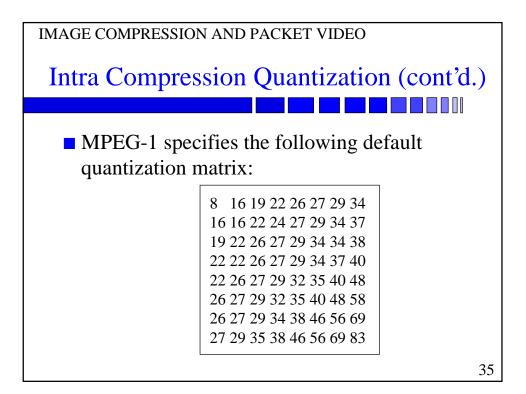
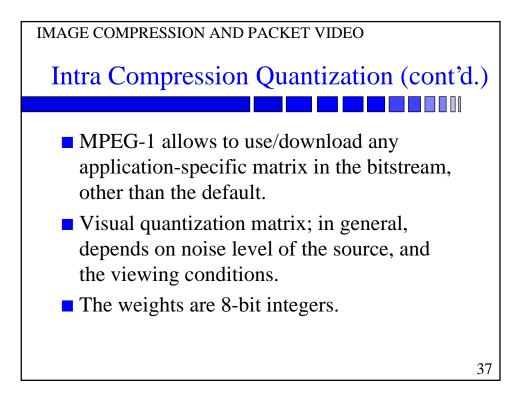
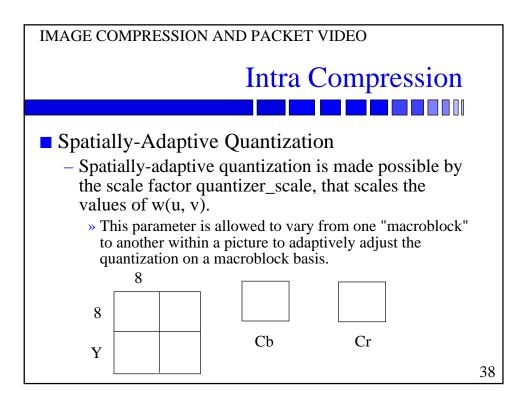
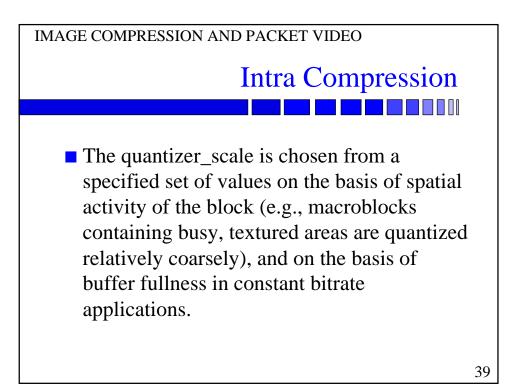


IMAGE COMPRESSION AND PACKET VIDEO									
Intra Compression Quantization (cont'd.)									
r									
Coarser quantization, hence larger weights, is used for high frequency coefficients in order to exploit the insensitivity of the visual system to high-frequency quantization noise.									
	158	-1	-5	-2	1	-1	-1	0	
	-12	9	-2	-1	-1	0	0	0	
An Example of a	-5	-6	-2	-1	-1	0	0	0	
Quantized DCT Block	-3	-1	0	0	0	0	0	0	
with quantizer scale of	0	0	0	1	0	0	0	0	
2	1	0	1	0	0	0	0	0	
_	0	0	0	0	0	0	0	0	
	-1	1	-1	0	0	0	0	0	36







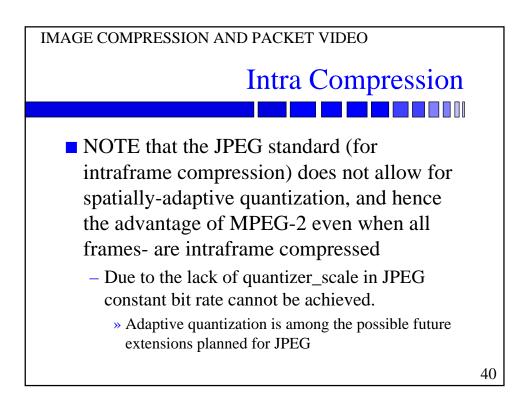


IMAGE COMPRESSION AND PACKET VIDEO								
Intra Compression								
][
Spatially-Adaptive Quantization (cont'd)								
-	- The allowed set of quantizer_scale values:							
2	22	42	62					
4	24	44						
6	26	46						
7	28	48						
10	30	50						
12	32	52						
14	34	54						
16	36	56						
18	38	58						
20	40	60		41				

